SONY KVM2141

MODEL

SERVICE MANUAL

SPECIFICATIONS

MODEL	Television System	Channel Coverage	Color system
OIRT	B/G/H, D/K	**B/G/H** VHF: E02-E12, UHF: E21-E69 CABLE TV : S01-S20 **D/K** VHF : R01-R12, UHF: R21-R69 CABLE TV : S01-S20	PAL, SECAM NTSC 4.43, NTSC 3.58 (VIDEO IN)
French	B/G/H, L	**B/G/H** VHF: E2-E12, UHF E21-E69 CABLE TV : S01-S21 L VHF : F02-F10, UHF F21-F69 CABLE TV : E-Q	PAL, SECAM
UK	I	I UHF B21-B69	PAL
AEP	B/G/H	**B/G/H** VHF : E02-E12, UHF : E21-E69 CABLE TV : S01-S20	PAL, SECAM
Spanish	B/G/H	**B/G/H** VHF : E02-E121, UHF : E21-E69	PAL
Italian	CCIR {B/G/H}	**B/G/H** CANALI UHF : 21-69 COMPRESSO CANALE C. CANALI VHF : E2-E12, S1-S20	PAL

MODEL	OIRT	AEP	Italian	French	UK	Spanish
Power Consumption	73Wh	73Wh	73.5Wh	87Wh	99W	73Wh

Picture tube	Hi Black Trinitron tube Approx. 55 cm (21 inches) (Approx. 51 cm picture measured diagonally) 100° degree deflection
Inputs	⊖- 21-pin connector: CENELEC standard
Outputs	Headphones jack: minijack 21-pin connector: TV output
Sound output	5W (Music)
Dimensions	Approx. 513x487x475 mm (w/h/d)
Weight	Approx. 24 kg

[RM-841]

Remote control system	infrared control
Power requirements	1.5V dc 1 battery IEC designation R6 (size AA)
Dimensions	Approx. 48x200.5x1[illegible] mm (w/h/d)
Weight	Approx. 100g including batteries
Supplied accessories	RM-841 Remote Commander (1) IEC designation R6 battery(1)

Design and specifications are subject to change without notice.

TABLE OF CONTENTS

Section *Title* *Page*

1. GENERAL

1-1. 21 Pin Connector 4
1-2. Switching On/Off 5
1-3. Presetting 5
1-4. TV Operation 6
1-5. Teletext Operation 7
1-6. Optional Connections/Operations 8
1-7. Additional Information 8
1-8. Troubleshooting 9

2. DISASSEMBLY

2-1. Rear Cover Removal 11
2-2. V Board Removal 11
2-3. Service Position 11
2-4. Picture Tube Removal 12

3. SET-UP ADJUSTMENTS

3-1. Beam Landing 13
3-2. Convergence 14
3-3. Focus 15
3-4. Screen (G2) and White Balance 16

4. CIRCUIT ADJUSTMENTS

4-1. A Board Adjustment. M2100D - M2101D - M2100B 17
4-2. A Board Adjustment. M2100K - M2101K 18
4-3. A Board Adjustment. M2101U - M2100A M2100E 19
4-4. V Board Adjustment 19

5. DIAGRAMS

5-1. Circuit Board Location 20
5-3. **Diagrams and Printed Wiring Boards.**
A Board Printed Wiring 21
A Board Schematic Diagram
M2100B 23
M2101U - M2100A
M2100E 27
M2100K - M2101K - M2100D - M2101D 31
V Board Schematic Diagram 35
V Board Printed Wiring 35
C Board Schematic Diagram 37
C Board Printed Wiring 37
A1 Board Schematic Diagram 38
A1 Board Printed Wiring 38
J1 Board Printed Wiring 38
Tuner Unit Schematic Diagram
M2100A 39
5-4. Semiconductors 40

6. EXPLODED VIEWS

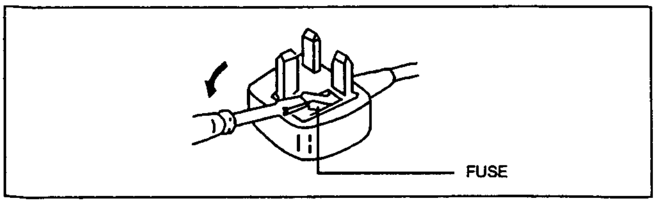
6-1 Chassis and Picture Tube 42

7. ELECTRICAL PARTS LIST

KV-M2100K, KV-M2101K
KV-M2100D, KV-M2101D 44
KV-M2100B 52
KV-M2100A, KV-M2100E
KV-M2101U 59

WARNING (UK MODELS ONLY)

The flexible mains lead is supplied connected to a **B.S. 1363** fused plug having a fuse of **5 AMP** capacity. Should the fuse need to be replaced, use a **5 AMP FUSE** approved by **ASTA** to **BS 1362**, ie one that carries the ⟐ mark.
IF THE PLUG SUPPLIED WITH THIS APPLIANCE IS NOT SUITABLE FOR YOUR SOCKET OUTLETS IN YOUR HOME. IT SHOULD BE CUT OFF AND AN APPROPRIATE PLUG FITTED. THE PLUG SEVERED FROM THE MAINS LEAD MUST BE DESTROYED AS A PLUG WITH BARED WIRES IS DANGEROUS IF ENGAGED IN A LIVE SOCKET OUTLET.
When an alternative type of plug is used it should be fitted with a **5 AMP FUSE**, otherwise the circuit should be protected by a **5 AMP FUSE** at the distribution board.



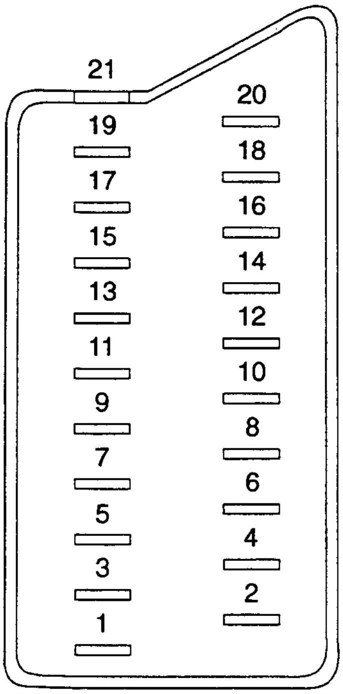
CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVAL OF THE ANODE CAP.

SAFETY RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARKED WITH ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

1-1. 21 PIN CONNECTOR



21 pin connector (1 ⊖)

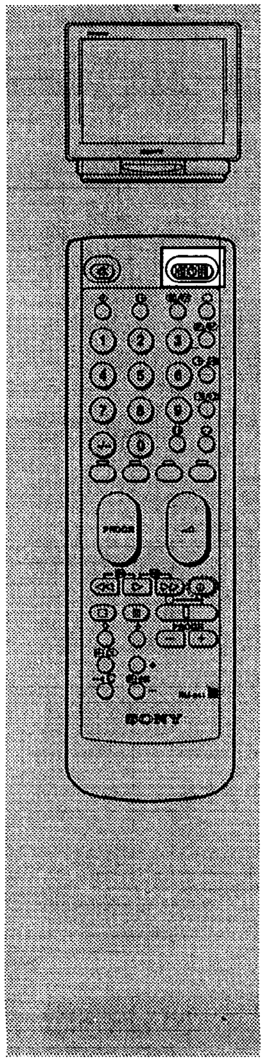
Pin No		Signal	Signal level
1	○	Audio output B (right)	Standard level: 0.5Vrms Output impedance:less than 1kohm*
2	○	Audio input B (right)	Standard level:0.5Vrms Input impedance:More than 10kohms*
3	○	Audio output A (left)	Standard level:0.5Vrms Output impedance:less than 1kohm*
4	○	Ground (audio)	
5	○	Ground (blue)	
6	○	Audio input A (left)	Standard level:0.5Vrms Input impedance:More than 10kohms*
7	○	Blue input	0.7V±3dB, 75ohms, positive
8	○	Function select (AV control)	High state (9.5—12V):Part mode Low state (0—2V):TV mode Input impedance:More than 10kohms Input capacitance:Less than 2nF
9	○	Ground (green)	
10	○	Open	
11	○	Green	Green signal:0.7V±3dB. 75ohms, positive
12	○	Open	
13	○	Ground(red)	
14	●	Ground (blanking)	
15	○	Red input	0.7V±3dB, 75ohms, positive
	—	(S signal) croma input	0.3V±3dB, 75ohms, positive
16	○	Blanking input (Ys signal)	High state (1—3V) Low state (0—0.4V) Input impedance:75ohms
17	○	Ground (video output)	
18	○	Ground (video input)	
19	○	Video output	1V±3dB, 75ohms, positive Sync:0.3V(-3, +10dB)
20	○	Video input	1V±3dB, 75ohms, positive Sync:0.3V(-3, +10dB)
	—	Video Input/Y (S signal)	1V±3dB, 75ohms, positive Sync:0.3V(-3, +10dB)
21	○	Common ground (plug, shield)	

○ connected ● unconnected (open) * At 20 Hz—20kHz

SECTION 1
GENERAL

Instructions shown here are partial excerpts from the Instruction Manual.
The pages of the Instruction Manual are included here in their original state.

1-2. Switching on/off



After you have completed the basic preparation your TV is ready to be connected to the mains power supply (220/240V AC, 50Hz).

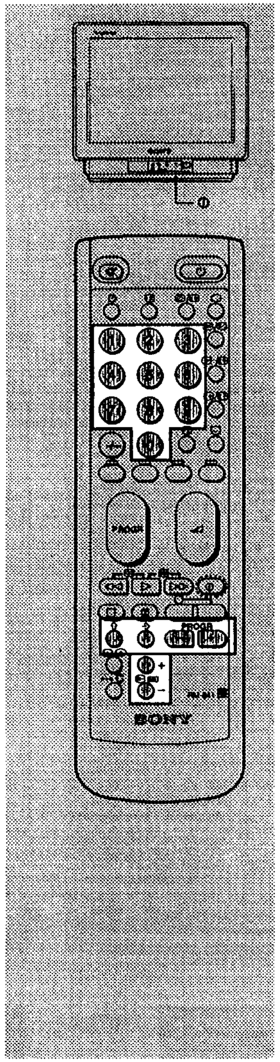
How to turn the TV on

Action	Result
Press Ⓘ on the TV.	The TV will turn on. **Note:** If the screen remains blank, the TV may be in the standby mode. Press ▢ on the commander to switch it on.

How to turn the TV off

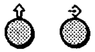
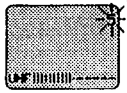
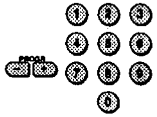
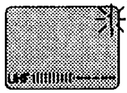
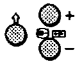
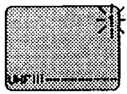
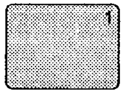
A Temporarily	
Press ⏻ to enter standby mode.	The TV will be in standby. To return to the TV mode press ▢
B Completely	
Press Ⓘ on the TV.	The TV will turn off.

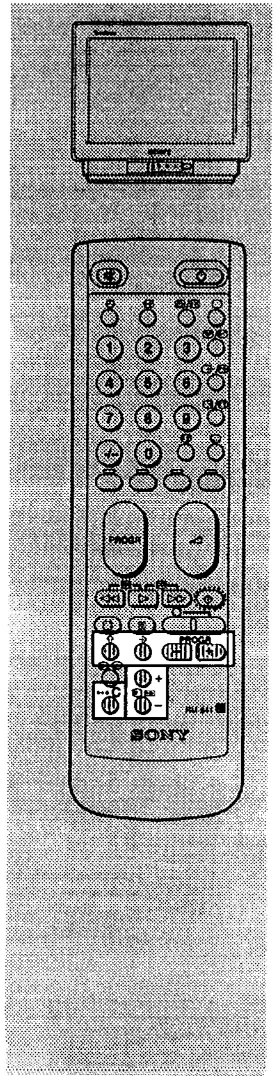
1-3. Presetting



After having installed the TV, you now need to preset TV channels. Up to 60 programme positions are at your disposal. For channel presetting use the buttons with the red symbols on the Remote Commander.

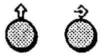
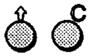
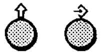
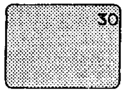
Automatic presetting of channels

Action	Result
1 Press both the ⇧ SHIFT button and the ⇨ PRESET button simultaneously. 	 You are now in the preset mode. The programme number flashes.
2 Press either the number buttons or PROGR +/− to select the programme number on which you want to preset the channel.  **Note:** In case of two digit numbers, first press -/--, then the two numbers.	 The selected programme number will be indicated.
3 Press both the ⇧ SHIFT button and the ⊞ + or − button repeatedly, until the desired channel is tuned in. 	 The scale with the frequency band changes.
4 Repeat steps 3 and 4 for all other channels.	
5 Press both the ⇧ SHIFT and the ⇨ PRESET buttons simultaneously to store the channels.	 All channels are now stored. The programme number stops flashing.



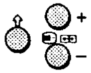
How to skip programme positions

Since you have 60 programmes at your disposal, you may want to skip vacant programme positions, that means that they are skipped when you press the PROGR +/– buttons.

Action	Result
1 Press both the ♦ SHIFT button and the ⇾ PRESET button simultaneously. 	You are now in preset mode, the programme position flashes.
2 Use PROGR + or – to select the programme position you want to skip.	The selected programme position appears.
3 Press both the ♦ SHIFT button and the button C simultaneously. 	
4 Press both the♦ SHIFT button and the ⇾ PRESET button simultaneously. 	 The programme position is now skipped. You are back in TV mode.

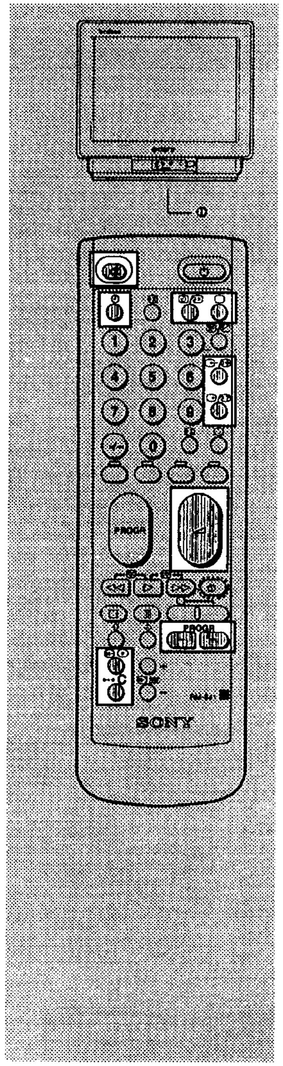
How to fine tune a channel manually

If the reception of a stored channel is not satisfactory, you can fine tune the channel manually.

Action	Result
Press both the ♦ SHIFT button and the ⊞ + or – button simultaneously intil the reception is good. 	The channel is now fine tuned.

Note: By pressing the respective programme number the automatic fine tuning will be restored.

1-4. TV operation



This section shows you how to use the convenient features available for operating the TV.

How to select programmes

Action	Result
Press PROGR +/– or the respective number button on the Remote Commander. In case of two digit numbers first press –/–– and then the two respective number buttons.	The selected programme is displayed.
On the set: Press the + or – button for programme selection.	

How to adjust the volume

Action	Result
Press ⊿ + or –.	The ⊿ symbol and the level indicator are displayed on the screen. The volume is adjusted accordingly.
Muting of the sound	
Press button 🔇	The sound is switched off. Press the button again to restore the sound.
On the set: Press button ⊟ repeatedly in order to select the desired item, then adjust with the + or – button.	

How to adjust the picture

Action	Result
1 Press button ⊟ repeatedly, until the desired item is displayed (◑ contrast, ◕ colour intensity, ☼ brightness).	The symbol and the respective bar display are displayed.
2 Press button + or –.	The selected picture item is adjusted accordingly.
Press button ⊟ repeatedly in order to select the desired item, then adjust with the + or – button.	

To return to factory-set levels
Press the →·← button.

Other functions

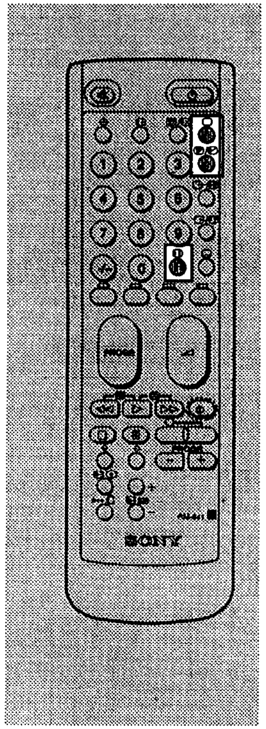
On-screen display
Press the ⊕ button to display the programme number on the screen and press the button a second time to make it disappear.

Selecting the signal of a connected device
Press the ⊖ button to receive the signal of the device (e.g. a VTR) connected at the 21-pin connector (rear of the set). Press the ▢ button to return to the TV mode (see also page 11).

Time function
Press ⊚ to request the time. Press again to cancel the request (only if teletext is broadcast).

Sleep Timer
Press the ⊙ button repeatedly until the required time period is displayed on the screen (30, 60, 90 minutes or 0 for cancelling the request). In this way you can select the time period after which the set switches itself automatically into standby-mode.

1-5. Teletext Operation



TV stations broadcast teletext programmes via the TV channels. To receive teletext programmes, use the buttons indicated in green on the Remote Commander.

How to view the teletext

Action	Result
1 Select the channel which carries the teletext service you wish to view.	The channel changes on the screen.
2 Press ⊜/⊘.	The teletext service appears.
3 Input three digits for the page number using the number buttons. **Note** If you make a mistake, type in any three digits, then re-enter the correct page number.	The numbers are entered on the screen. The requested page will appear in a few seconds.

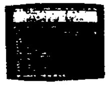
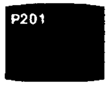
To return to the TV mode:
Press ○.

To change the teletext channels:
First press ○ to return to TV mode, then repeat steps 1 to 3.

Note
If the signal of the TV channel is weak, teletext errors may often occur.
The ○ button has no function on this set.

How to use the Advanced Features of Teletext

How	Action	Result (on-screen display)
Request the index page.	Press ⊡ (INDEX).	The index page appears.
Access the next or preceding page.	Press ⊞ (PAGE +) or ⊟ (PAGE –).	The next or preceeding page appears.

How to	Action	Result
Superimpose the teletext display on the TV programme.	Press ⊜/⊘ once if you are in text mode, or press ⊜/⊘ twice if in TV mode. To return to the normal teletext display press ⊜/⊘ again.	The teletext displays are superimposed on the TV programmes.
Prevent a teletext page from being updated or changed.	Press ⊠ (HOLD). To resume normal teletext reception, press ⊜/⊘ (TEXT/MIX).	The HOLD symbol ⊠ appears on the screen and the chosen sub-page is held until you cancel.
Enlarge the teletext display.	Press ⊕ once to enlarge the upper half. Press twice to enlarge the lower half. Press again to restore the normal display.	The upper half is enlarged.
Reveal concealed information (e.g. answers to a quiz).	Press ⊙ (REVEAL). Press again to conceal the information.	 The information is revealed.
Watch the TV programme while waiting for a requested page to be displayed.	1. Request a new page.	The numbers are entered.
	2. Press ⊗ (TEXT CL).	The TV programme is displayed, and the requested page number and other teletext data appear at the top of the screen.
	3. When the requested page has been captured, the page number remains and the other data disappears.	
	4. Press ⊜ to view this page	The requested page is displayed.

Some of the features may not be available depending on the Teletext service.

How to use the FASTEXT Feature

FASTEXT feature allows you to access pages quickly with one key operation.
When a FASTEXT page is broadcast, a colour coded menu appears at the bottom of the screen. Each coloured prompt corresponds to the four coloured buttons of your Remote Commander.

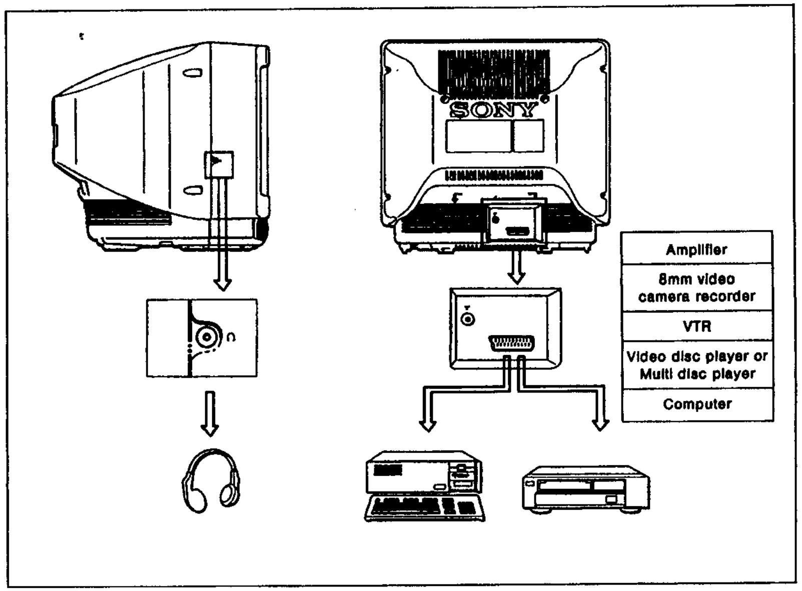
Operation

Action	Result
Press one of the coloured buttons which corresponds to the coloured prompt on the teletext.	The selected teletext page appears.

Note
Correct FASTEXT operation depends on the necessary signals sent from the TV station.
Some TV stations may not send signals for the FASTEXT.

1-6.

How to connect additional Audio/video equipment


SONY
Amplifier
8mm video camera recorder
VTR
Video disc player or Multi disc player
Computer

How to view the Video input signal

Press button ⊖ repeatedly in order to select the desired input mode (⊖ for Audio/video signals from 21-pin EURO connector ⊖). Press button ○ to return to TV mode.

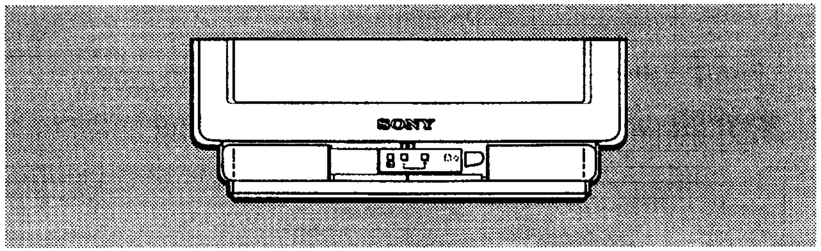
On the set:
Press button ⊜ once, the symbols ○, ⊖ will appear on the screen, then press the + button to select the desired video input mode. Press ⊜ and + buttons again to return to TV-mode.

Notes
- In case of sound or picture distortions move the VTR away from the TV set.

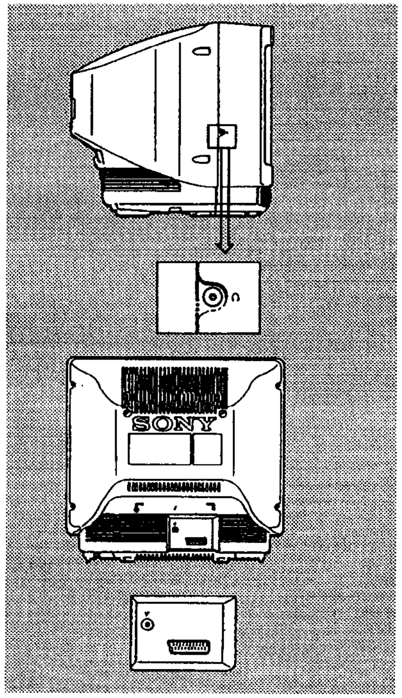
1-7. Additional information

Parts Identification

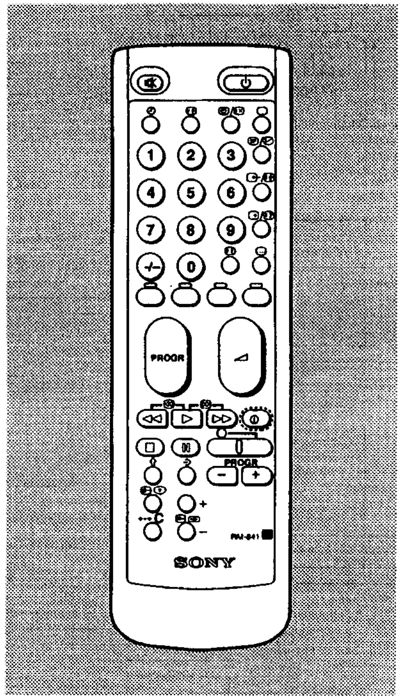
TV Set – Front



TV Set – Rear



Remote Commander


1
2
3
4
5
6
7
8
9
-/--
0
PROGR
PROGR
−
+
SONY

This section briefly describes the buttons and controls on the TV set and on the Remote Commander. For more information, refer to the pages given next to each description.

TV Set

Symbol	Function	Page
⏽	Main power switch	5
⏻	Standby indicator	5
+/-	Programme selector	6
⊟ +/-	Sound and picture adjustment/input selection	8
☊	Headphone jack (mini-jack)	11
⊖-	21-pin connector (rear of set)	11
╦	Aerial socket (rear of set)	4

Remote Commander

Symbol	Function	Page
⏻	Button for switching the TV set into standby mode	5
▭	Used to return to TV-mode from standby and video input modes	5
1-9, 0, -/--	Number buttons – in case of two digit numbers first press button -/-- and then two number buttons	6
PROGR +/-	Programme scanning buttons	6
➾ and ⬆	Preset mode on/off buttons	6
⬆	Functions only in combination with other buttons	6, 7
⬆ and C	Button for clearing a programme position (in preset mode)	7
⬆ and [⇔] +/-	Buttons for manual fine tuning of a channel/presetting	7
🔇	Mute button	8
⊟	Select button for picture adjustment item	8
+/-	Buttons for adjusting picture items	8
→·←	Button for resetting the picture adjustment items to standard	8
⊿ +/-	Buttons for adjusting the volume	8
◷	Button for activating the sleep timer	8
⊕	On/off button for onscreen display	8
◎	Time feature	8
⊞ ⊟/◩ ⊠ ⊞ ⊞ ⊞	Teletext buttons	9, 10
▭ ▭ ▭ ▭	FASTEXT Buttons	10
⊖-	Button for selecting the video input mode	11

Note:
Buttons not referred to in this index have no function.

1-8. Additional Information

Troubleshooting

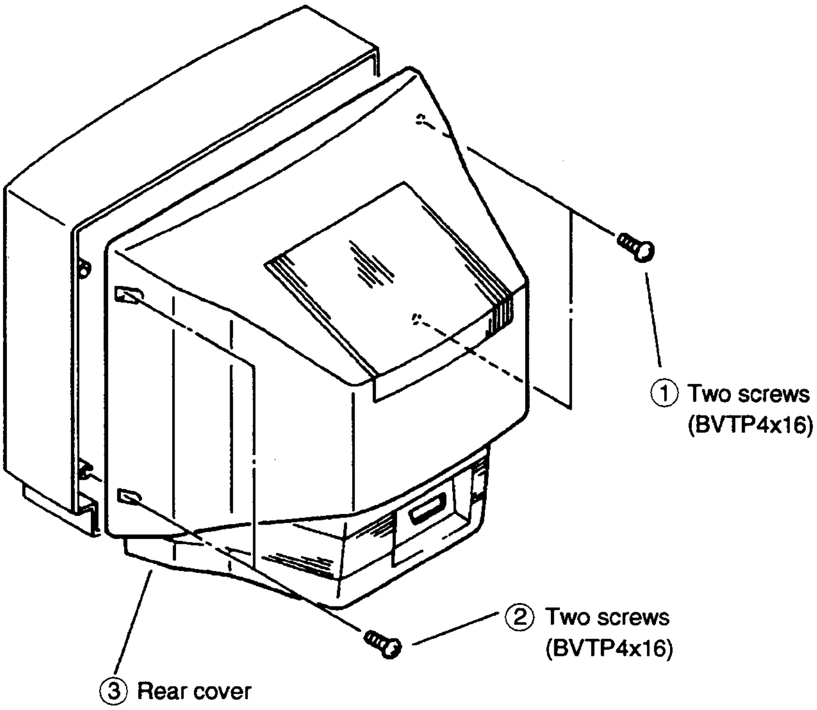
Here are some simple solutions to the problems which affect the picture and sound.

Problem	Solution
No picture (screen is dark), no sound	• Plug the TV in. • Press ⏽ on the TV. (If ⏻ indicator is on, press ▭ or the programme number on the Remote Commander). • Check the aerial connection. • Check if the selected video source is on. • Turn the TV off for 3 or 4 seconds and then turn it on again using ⏽.
Poor or no picture (screen is dark), but sound good	• Adjust ☼, ◑, ● by pressing the + button after selecting with the ⊟ button.
Good picture but no sound	• Press ⊿ +. • Disconnect the headphones. • If 🔇 is displayed on the screen, press 🔇.
No colour for colour programmes	• Adjust ● with the + button after selecting with the ⊟ button. • Press →·← on the Remote Commander.
Remote Commander does not function	• REPLACE THE BATTERIES

If you continue to have these problems, have your TV serviced by qualified personnel. Never open the casing yourself.

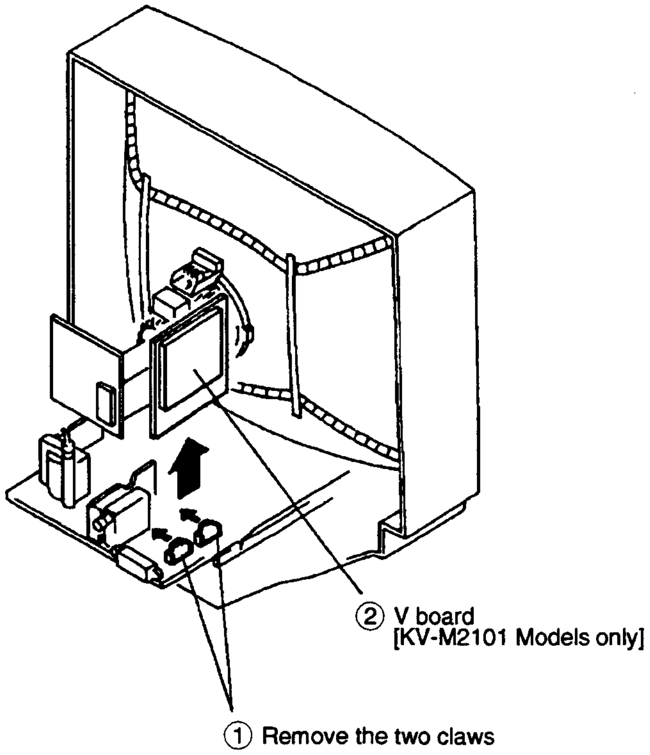
SECTION 2
DISASSEMBLY

2-1. REAR COVER REMOVAL

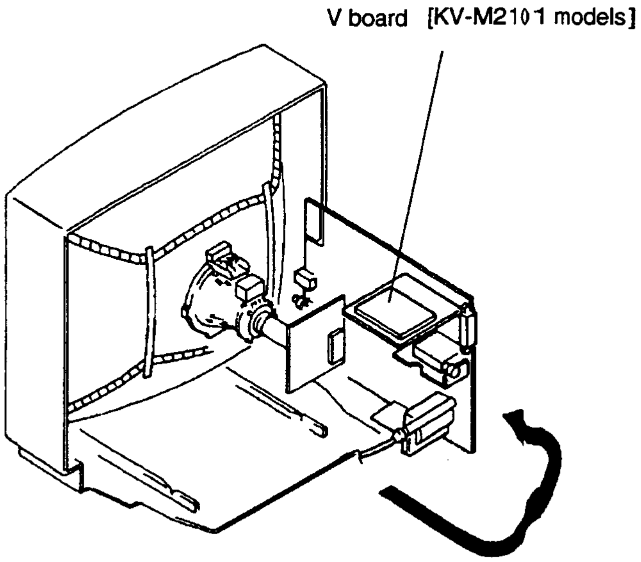

① Two screws
(BVTP4x16)
② Two screws
(BVTP4x16)
③ Rear cover

2-2. V BOARD REMOVAL

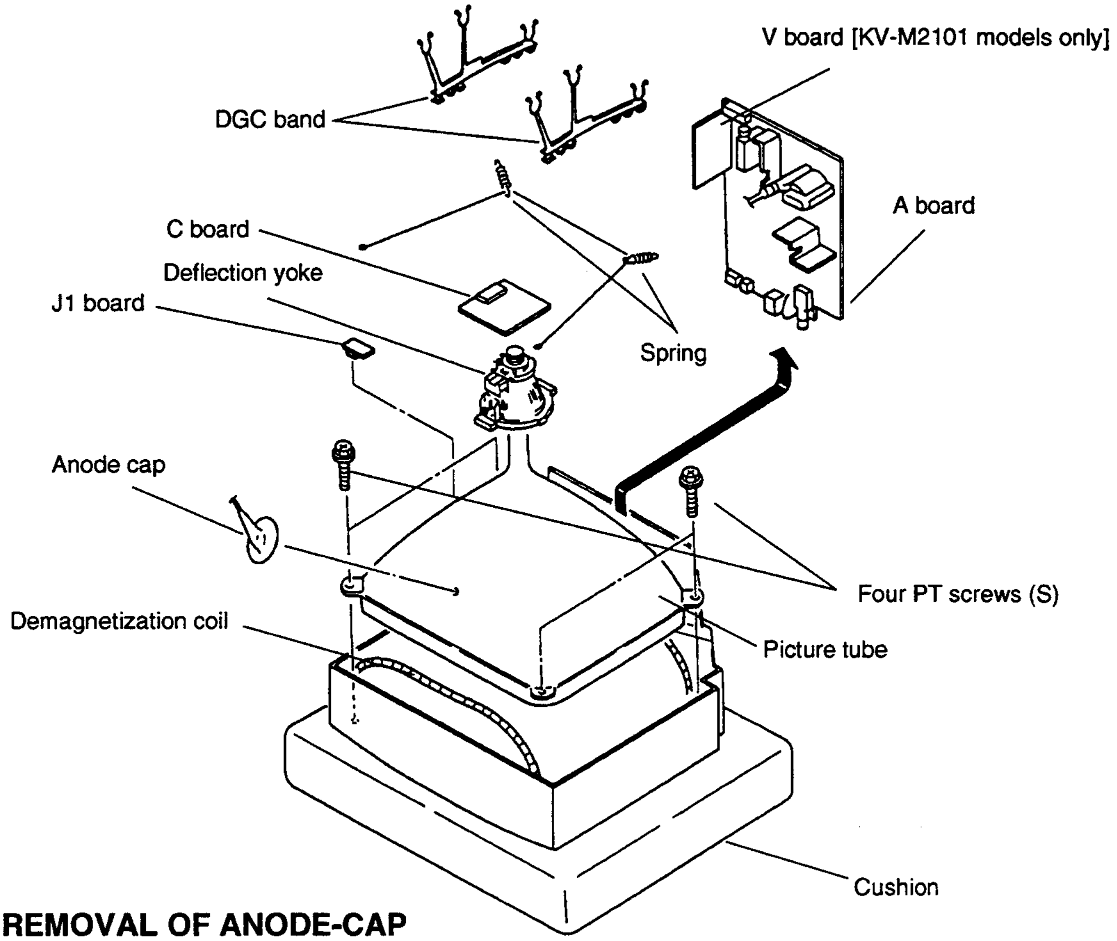
[KV-M2101 models only]


② V board
[KV-M2101 Models only]
① Remove the two claws

2-3. SERVICE POSITION


V board [KV-M2101 models]

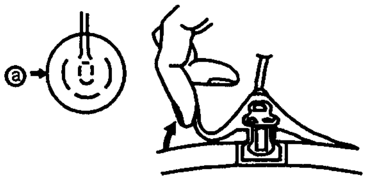
2-4. PICTURE TUBE REMOVAL


V board [KV-M2101 models only]
DGC band
A board
C board
Deflection yoke
J1 board
Spring
Anode cap
Four PT screws (S)
Demagnetization coil
Picture tube
Cushion

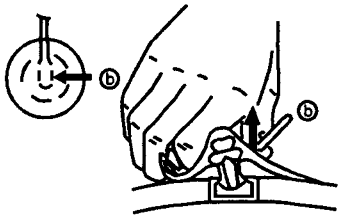
• REMOVAL OF ANODE-CAP

Note: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon paint on the CRT, after removing the anode.

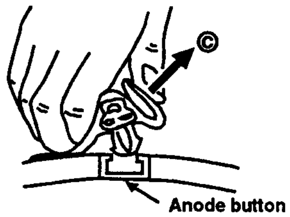
* **REMOVING PROCEDURES.**



① Turn up one side of the rubber cap in the direction indicated by the arrow ⓐ



② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ⓑ


ⓒ
Anode button

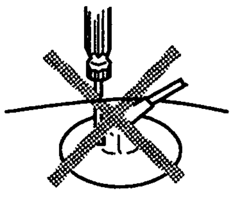
③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow ⓒ

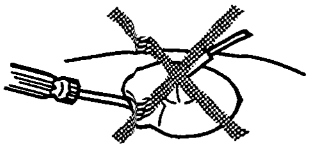
- **HOW TO HANDLE AN ANODE-CAP**

① Don't damage the surface of anode-cap with sharp shaped material !

② Don't press the rubber hardly not to hurt inside of anode-caps !
A metal fitting called as shatter-hook terminal is built into the rubber.

③ Don't turn the foot of rubber over hardly !
The shatter-hook terminal will stick out or damage the rubber.





SECTION 3
SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

The controls and switch below should be set as follows unless otherwise noted:

◑ CONTRAST control 80%
(or Normal by commander)
☼ BRIGHTNESS control 50%

Perform the adjustments in order as follows:

1. Beam Landing
2. Convergence
3. Focus
4. Screen (G2) and White Balance

Note: Test Equipment Required.

1. Color bar/Pattern Generator
2. Degausser
3. DC Power Supply
4. Digital multimeter
5. Oscilloscope

Preparation:

- Set the side of the unit with the PICTURE TUBE so that it faces east or west in order to reduce the influence of external magnetic force.
- Turn the power switch for the unit ON and erase the magnetic force using a degausser.

3-1. BEAM LANDING

Demagnetize with a degausser.

1. Input a raster signal with the pattern generator.
   CONTRAST } normal
   BRIGHTNESS }
2. Turn the raster signal of the pattern generator to red.
3. Move the deflection yoke backward, and adjust with the purity control so that red is in the center and blue and green are at the sides evenly.
   (Fig. 3-1 - 3-3)
4. Move the deflection yoke forward, and adjust so that entire screen becomes red. (Fig. 3-1)
5. Switch over the raster signal to blue and blue and confirm the condition.
6. When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.
7. When landing at the corner is not right, adjust by using the disk magnets. (Fig. 3-4)

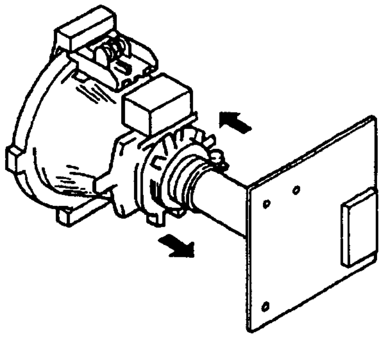


Fig. 3-1

Fig. 3-2

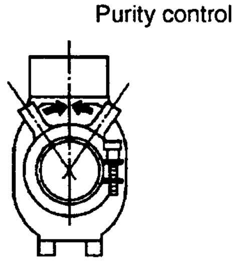

Purity control

Fig. 3-3

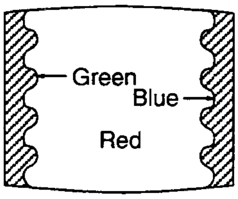
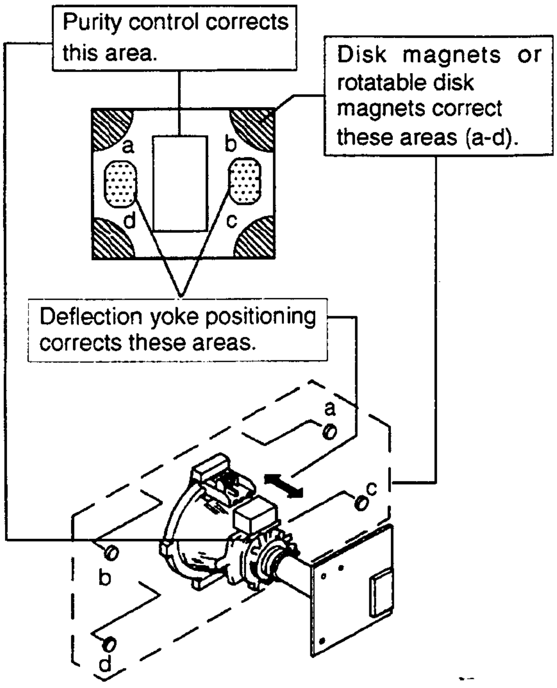

Green
Blue
Red

Fig. 3-4

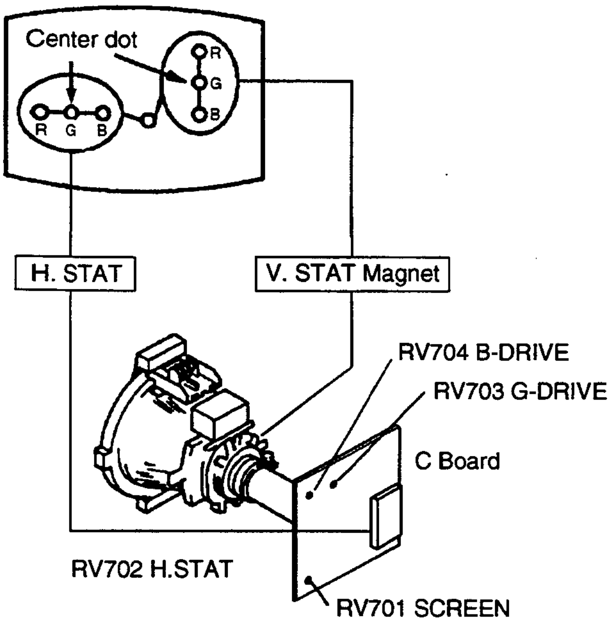

Purity control corrects this area.
Disk magnets or rotatable disk magnets correct these areas (a-d).
a
b
d
c
Deflection yoke positioning corrects these areas.
a
c
b
d

3-2. CONVERGENCE

Preparation:

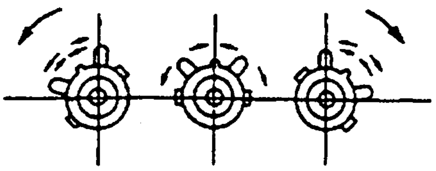
- Before starting, perform FOCUS, H.SIZE, and V. SIZE adjustments.
- Set BRIGHTNESS control to minimum.
- Feed in the dot pattern.

(1) Horizontal and Vertical Static Convergence

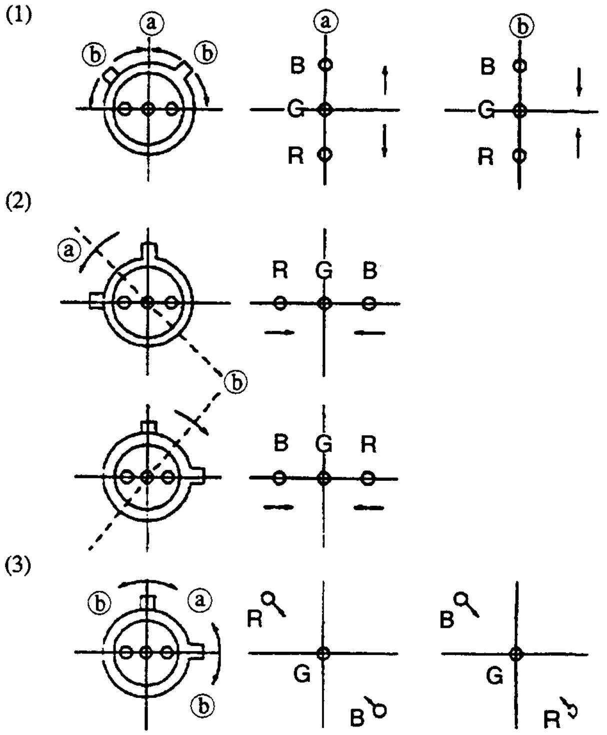

Center dot
R G B
R G B
H. STAT
V. STAT Magnet
RV704 B-DRIVE
RV703 G-DRIVE
C Board
RV702 H.STAT
RV701 SCREEN

1. Adjust H.STAT VR to converge red, green and blue dots the in center of the screen. (Horizontal movement)
2. Adjust V.STAT magnet to converge red, green and blue dots in the center of the screen. (Vertical movement)
3. If the red, green and blue dots do not converge on the center of screen with H.STAT VR, perform horizontal convergence adjustment using H.STAT VR and V.STAT magnet as shown below. (In this case, H.STAT VR and V.STAT magnet effect each other.)

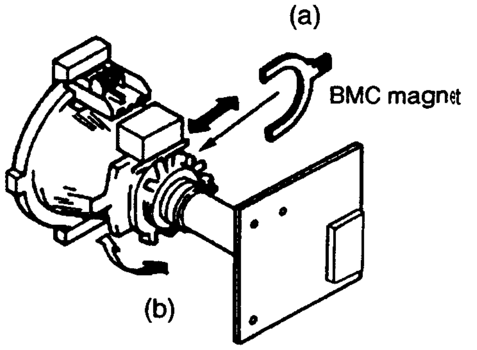
- Tilt the V.STAT magnet and adjust static convergence to open or close the V.STAT magnet.



4. When the V.STAT magnet is moved in the direction of arrows ⓐ and ⓑ the, red, green and blue dots move as shown below.


(1)
ⓐ
ⓑ
ⓑ
ⓐ
B
G
R
ⓑ
B
G
R
(2)
ⓐ
R G B
ⓑ
B G R
(3)
ⓑ
ⓐ
ⓑ
R
G
B
B
G
R

If the red and blue dot do not converge with green dots, perform following steps.
Move BMC magnet (a) to correct insufficient H.static convergence.
Rotate BMC magnet (b) to correct insufficient V.static convergence.
In either case, repeat Beam Landing Adjustment.

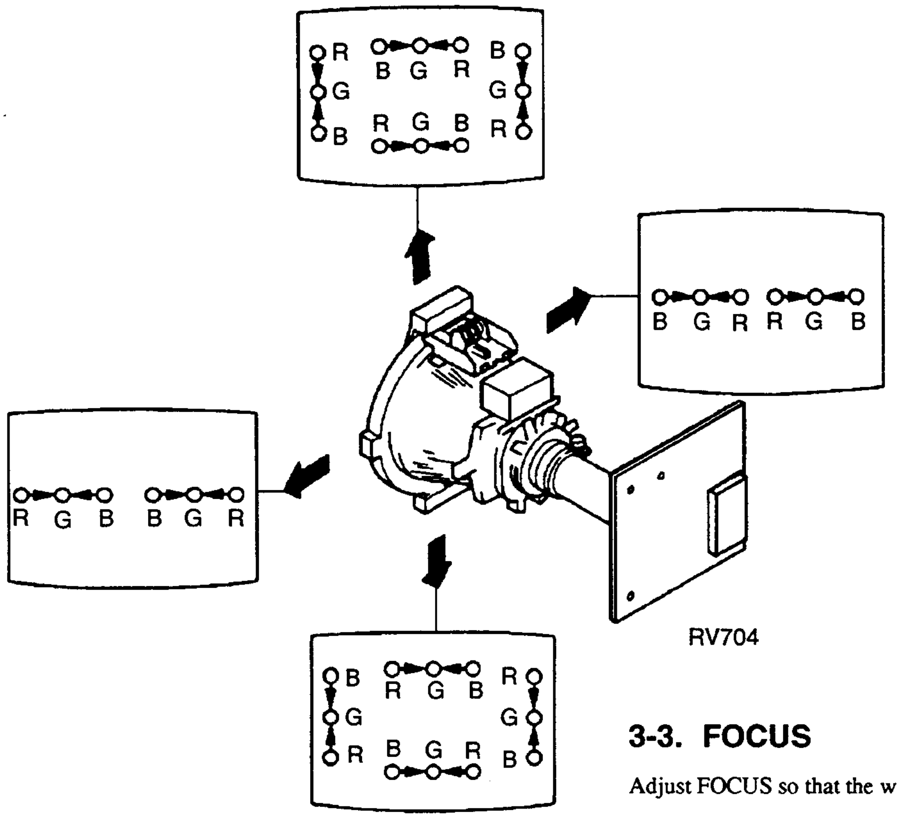

(a)
BMC magnet
(b)

(2) Dynamic Convergence Adjustment

Preparation:

- Before starting perform Horizontal and Vertical static convergence Adjustment.

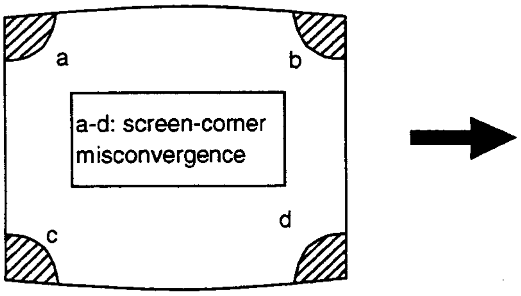
1. Slightly loosen deflection yoke screw.
2. Remove deflection yoke spacers.
3. Move the deflection yoke for best convergence as shown below.
4. Tighten the deflection yoke screw.
5. Install the deflection yoke spacers.

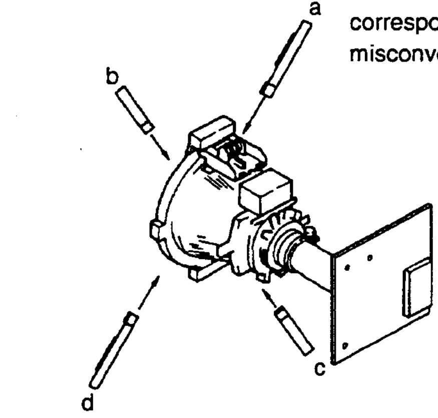

R
G
B
B G R
R G B
B
G
R
B G R R G B
R G B B G R
B
G
R
R G B
B G R
R
G
B
RV704

3-3. FOCUS

Adjust FOCUS so that the whole screen is in best focus.

(3) Screen-corner Convergence

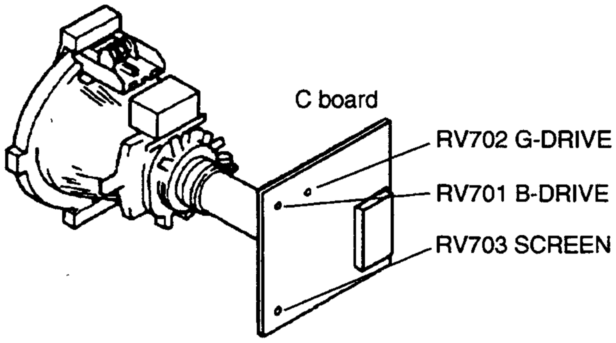

a
b
a-d: screen-corner misconvergence
c
d



Affix a Permalloy ass'y corresponding to the misconverged areas

Permalloy assembly

3-4. SCREEN (G2) and WHITE BALANCE



Screen (G2) setting

1. Input dot signal from the pattern generator.
2. Set the picture BRIGHTNESS control to minimum level.
3. Apply 140V DC to the cathodes of R, G and B from an external power power source.
4. While watching the picture, adjust the G2 volume (RV703) immediately before fly-back line disappears.

White Balance Adjustment

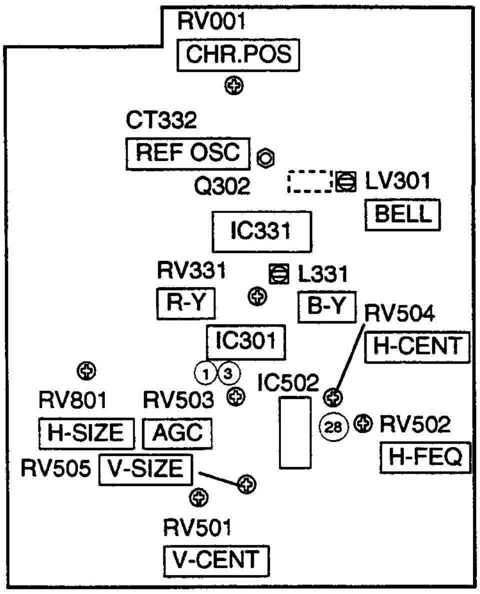
1. Input all-white signal from the pattern generator.
2. Adjust the BRIGHTNESS and COLOR controls to the standard level.
3. Adjust the following using RV701 (B DRIVE) and RV702 (G DRIVE).

In the following adjustments, the CONTRAST, COLOR and BRIGHTNESS controls are set to normal unless otherwise specified.

SECTION 4
CIRCUIT ADJUSTMENTS

[M2100D/M2101D/M2100B]

4-1. A BOARD ADJUSTMENTS

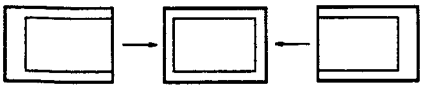

RV001
CHR.POS
CT332
REF OSC
Q302
LV301
BELL
IC331
RV331
L331
R-Y
B-Y
RV504
IC301
H-CENT
1
3
IC502
RV801
RV503
H-SIZE
AGC
28
RV502
H-FEQ
RV505
V-SIZE
RV501
V-CENT

A-BOARD
– Component side –

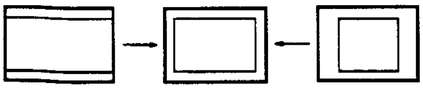
TU AGC Adjustment (RV503)

1. Tune in an off air signal.
2. Adjust AGC VR (RV503) so that snow-noise and cross-modulation just disappear from the picture.

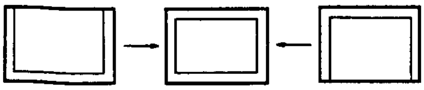
RV504 H.CENT (HORIZONTAL CENTER)



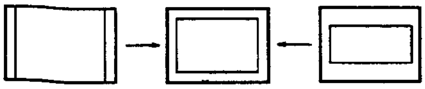
RV801 H.SIZE (HORIZONTAL SIZE)



RV501 V.CENT (VERTICAL CENTER)

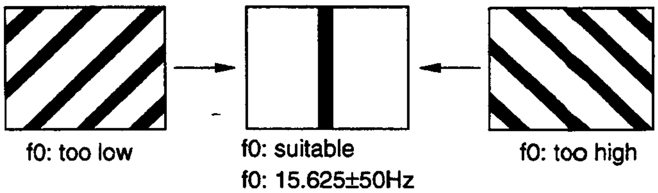


RV505 V.SIZE (VERTICAL SIZE)



H.FREQ Adjustment (RV502)

1. Input a PAL COLOR BAR signal, then connect an electrolytic capacitor (100μ/16 V) between pin ㉘ and GND of IC502.
2. Adjust RV502 (H.FREQ) to stop scrolling of the picture in the horizontal direction.
3. After adjustment, remove the electrolytic capacitor.

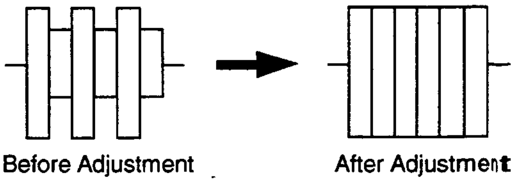

f0: too low
f0: suitable
f0: 15.625±50Hz
f0: too high

REF OSC 8.8 MHz Adjustment (CT332)

1. Input a PAL COLOR BAR pattern.
2. Short circuit between pin ⑰ of IC331 and ground.
3. Adjust CT332 to obtain color synchronization.
4. Remove the jumper wire from IC331.

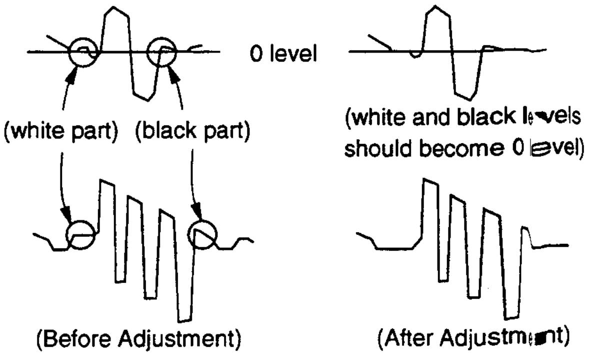
BELL FILTER Adjustment (LV301)

1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to the Q302 emitter.
3. Adjust LV301 so that waveform becomes flat.


Before Adjustment
After Adjustment

SECAM DISCRI Adjustment (RV331 R-Y L331 B-Y)

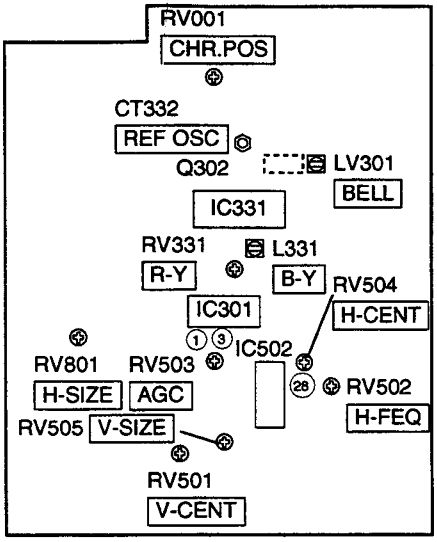
1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to pin ① of IC301.
3. Adjust RV331 (R-Y) so that white and black parts of the waveform of pin ① becomes 0 level.
4. Connect an oscilloscope to pin ③ of IC301.
5. Adjust L331 (B-Y) so that white and black parts of the waveform of pin ③ becomes 0 level.


0 level
(white part)
(black part)
(white and black levels should become 0 level)
(Before Adjustment)
(After Adjustment)

CIRCUIT ADJUSTMENTS

[M2100K/M2101K]

4-2. A BOARD ADJUSTMENTS

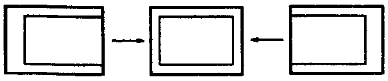

RV001
CHR.POS
CT332
REF OSC
Q302
LV301
BELL
IC331
RV331
L331
R-Y
B-Y
RV504
IC301
H-CENT
①③
IC502
RV801
RV503
H-SIZE
AGC
㉘
RV502
H-FEQ
RV505
V-SIZE
RV501
V-CENT

A-BOARD
– Component side –

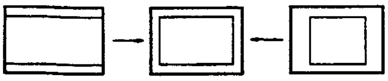
TU AGC Adjustment (RV503)

1. Tune in an off air signal.
2. Adjust AGC VR (RV503) so that snow-noise and cross-modulation just disappear from the picture.

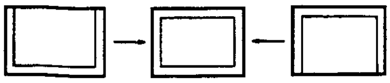
RV504 H.CENT (HORIZONTAL CENTER)



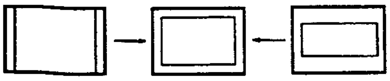
RV801 H.SIZE (HORIZONTAL SIZE)



RV501 V.CENT (VERTICAL CENTER)



RV505 V.SIZE (VERTICAL SIZE)

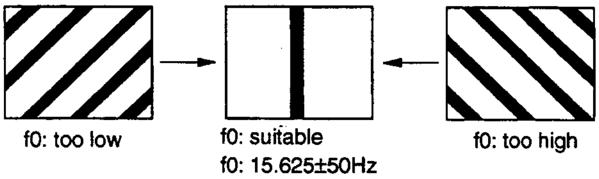


REF OSC 7.16 MHz Adjustment (CT 331)

1. Input an NTSC COLOR BAR pattern.
2. Short circuit between pin ㉘ of IC 331 and ground.
3. Adjust CT 331 to obtain color synchronization.
4. Remove the jumper wire from IC 331.

H.FREQ Adjustment (RV502)

1. Input a PAL COLOR BAR signal, then connect an electrolytic capacitor (100μ/16 V) between pin ㉘ and GND of IC502.
2. Adjust RV502 (H.FREQ) to stop scrolling of the picture in the horizontal direction.
3. After adjustment, remove the electrolytic capacitor.

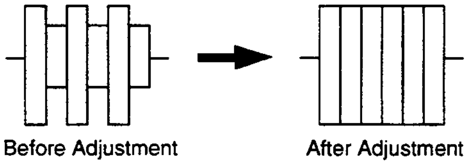

f0: too low
f0: suitable
f0: 15.625±50Hz
f0: too high

REF OSC 8.8 MHz Adjustment (CT332)

1. Input a PAL COLOR BAR pattern.
2. Short circuit between pin ⑰ of IC331 and ground.
3. Adjust CT332 to obtain color synchronization.
4. Remove the jumper wire from IC331.

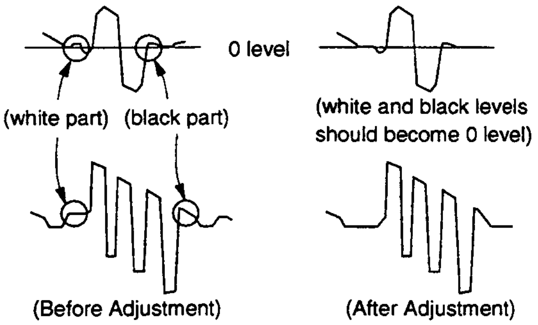
BELL FILTER Adjustment (LV301)

1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to the Q302 emitter.
3. Adjust LV301 so that waveform becomes flat.


Before Adjustment
After Adjustment

SECAM DISCRI Adjustment (RV331 R-Y L331 B-Y)

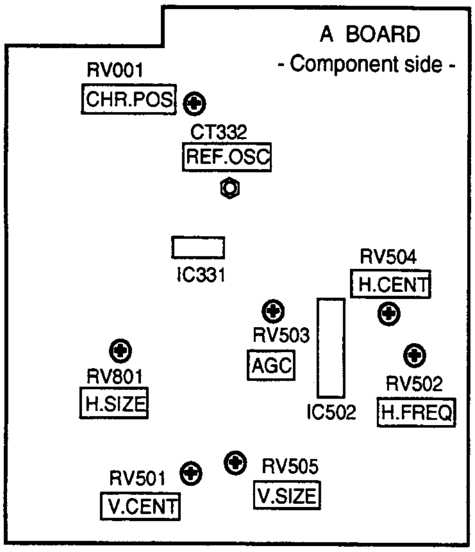
1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to pin ① of IC301.
3. Adjust RV331 (R-Y) so that white and black parts of the waveform of pin ① becomes 0 level.
4. Connect an oscilloscope to pin ③ of IC301.
5. Adjust L331 (B-Y) so that white and black parts of the waveform of pin ③ becomes 0 level.


0 level
(white part)
(black part)
(white and black levels should become 0 level)
(Before Adjustment)
(After Adjustment)

CIRCUIT ADJUSTMENTS

[M2101U/M2100A/M2100E]

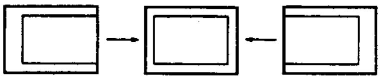
4-3. A BOARD ADJUSTMENTS


A BOARD
- Component side -
RV001
CHR.POS
CT332
REF.OSC
IC331
RV504
H.CENT
RV503
AGC
RV801
H.SIZE
RV502
IC502
H.FREQ
RV501
V.CENT
RV505
V.SIZE

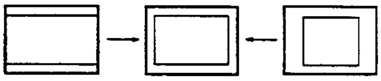
TU AGC Adjustment (RV503)

1. Tune in an off air signal.
2. Adjust AGC VR (RV503) so that snow-noise and cross-modulation just disappear from the picture.

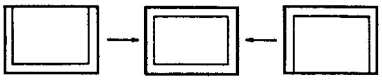
RV504 H.CENT (HORIZONTAL CENTER)



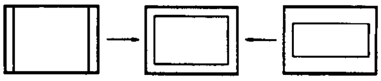
RV801 H.SIZE (HORIZONTAL SIZE)



RV501 V.CENT (VERTICAL CENTER)

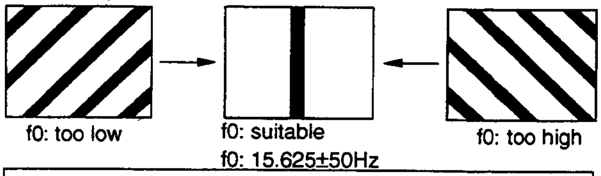


RV505 V.SIZE (VERTICAL SIZE)



H.FREQ Adjustment (RV502)

1. Input a PAL COLOR BAR signal, then connect an electrolytic capacitor (100µ/16 V) between pin ㉘ and GND of IC502.
2. Adjust RV502 (H.FREQ) to stop scrolling of the picture in the horizontal direction.
3. After adjustment, remove the electrolytic capacitor.

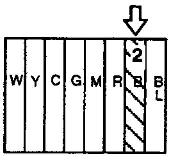

f0: too low
f0: suitable
f0: 15.625±50Hz
f0: too high

REF OSC 8.8 MHz Adjustment (CT332)

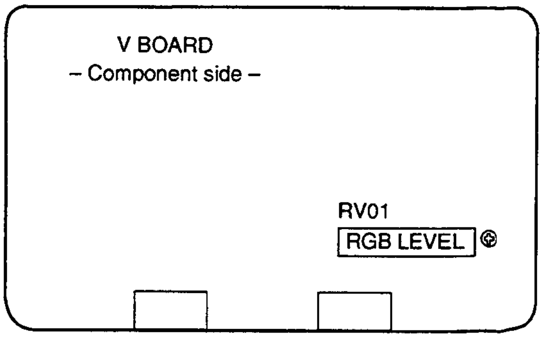
1. Input a PAL COLOR BAR pattern.
2. Short circuit between pin ⑪ of IC331 and ground.
3. Adjust CT332 to obtain color synchronization.
4. Remove the jumper wire from IC331.

CHARACTER POSITION Adjustment [RV001]
[All Models]

1. Input a PAL COLOR BAR pattern.
2. Adjust RV001 to position the character display at the point indicated by the arrow below.


2
W
Y
C
G
M
R
B
BL

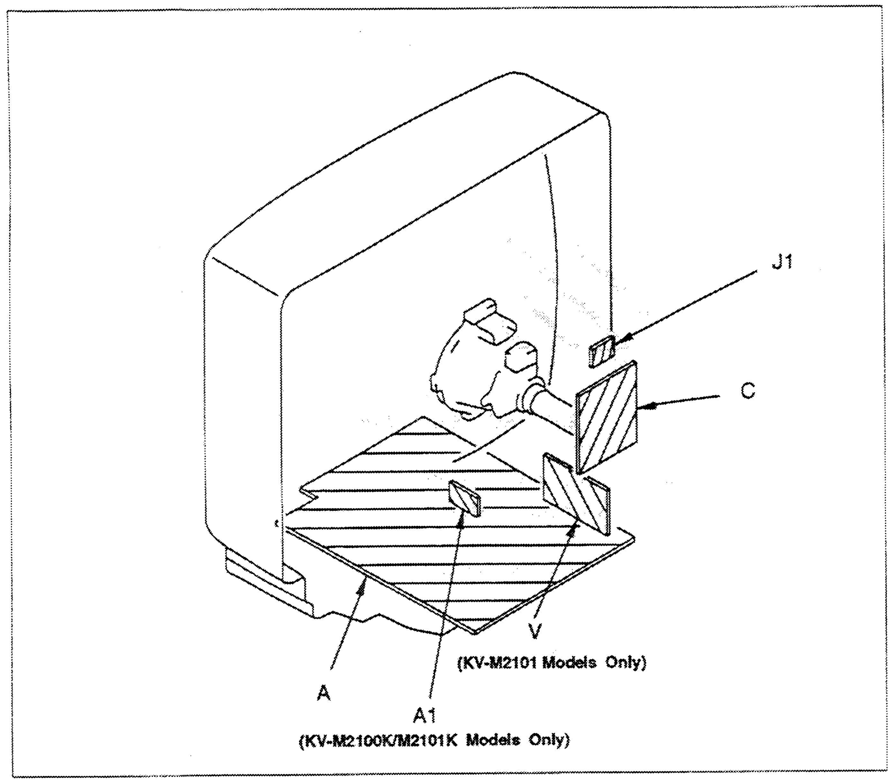
4-4. V BOARD ADJUSTMENT [M2101 Models only]


V BOARD
– Component side –
RV01
RGB LEVEL

RGB LEVEL Adjustment (RV01)

1. Set PICTURE to maximum.
2. Adjust RV01 till the RGB output becomes maximum.

5-1. CIRCUIT BOARD LOCATION



Note :

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytic and tantalums.
- All resistors are in ohms.
  kΩ = 1000Ω , MΩ = 1000KΩ
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5 mm
Rating electrical power ¼ W

- ─▭─ :nonflammable resistor.
- △ :internal component.
- ▭ :panel designation, or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- ⊥ :earth - ground.
- ⏚ :earth - chassis.
- ⧣ :no mounted.

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with part number specified.

Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
	: RW	NONFLAMMABLE WIREWOUND
	: ※	ADJUSTABLE RESISTOR
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

- Readings are taken with a colour-bar signal input.
- Readings are taken with 10MΩ digital multimeter.
- Voltages are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.
- Circled numbers are waveform references.
- ▬ : B+ bus.
- ▨ : signal path. (RF)

5-2. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS.

A SYSTEM CONTROL
H/V OUT, MEMORY, CHROMA

— A Board —

A Board

DIODE	
D002	E-10
D004	C-9
D007	B-8
D008	D-10
D009	B-8
D011	E-8
D020	B-8
D110	C-5
D301	C-6
D302	A-2
D303	B-6
D305	A-2
D306	B-6
D313	A-3
D321	C-5
D324	A-7
D334	B-6
D402	A-1
D403	B-1
D404	B-1
D405	A-1
D406	C-1
D411	A-1
D417	D-1
D418	A-4
D426	C-1
D427	C-1
D450	B-5
D501	D-3
D503	E-4
D504	G-2
D519	C-8
D601	F-7
D602	F-6
D603	F-5

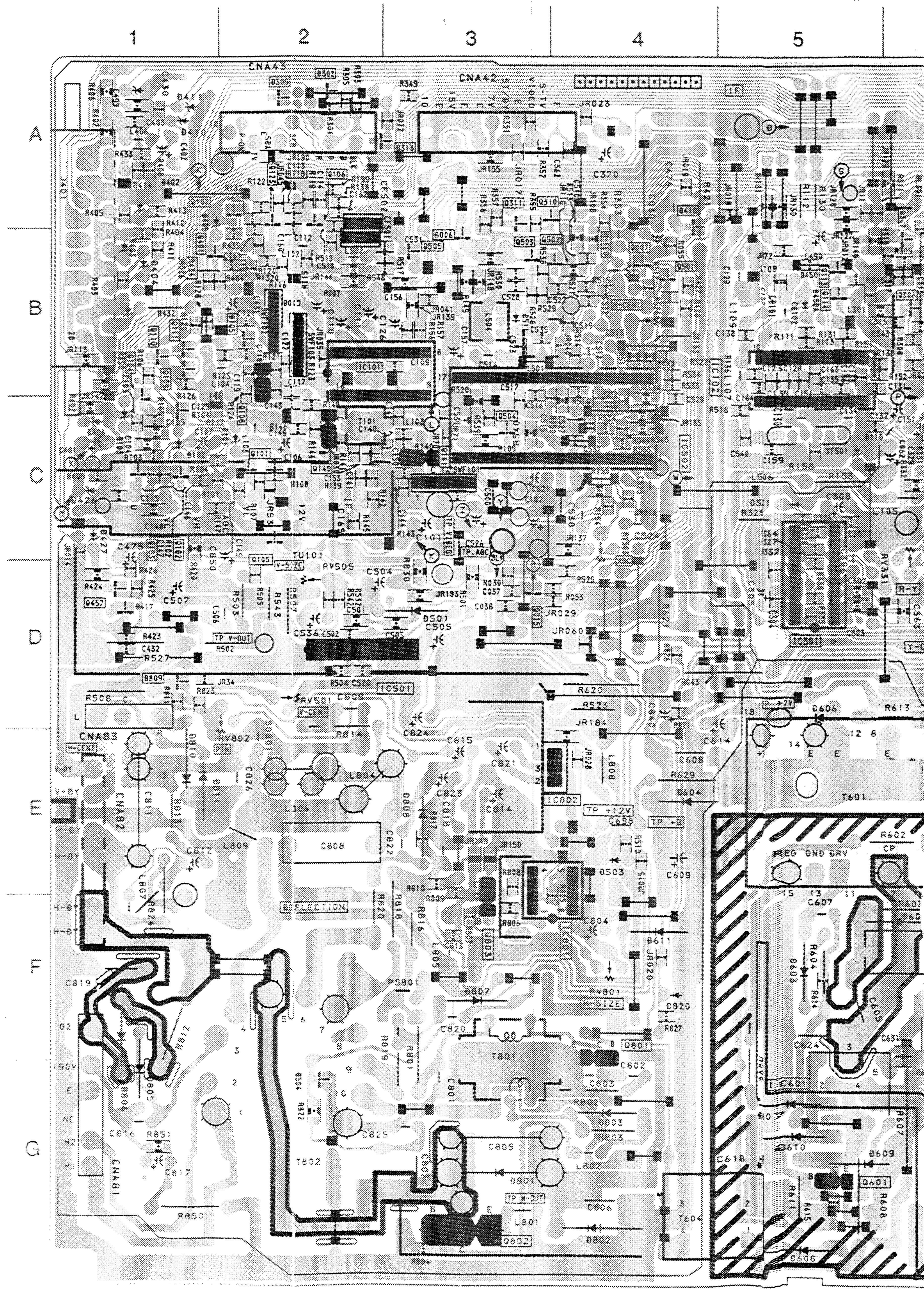
DIODE	
D604	E-4
D605	E-6
D606	D-5
D607	G-5
D608	H-5
D609	G-5
D610	G-5
D611	F-4
D801	G-3
D802	H-4
D803	G-4
D805	G-1
D806	F-1
D807	F-3
D808	E-3
D810	E-1
D811	E-1
D820	F-4

IC	
IC001	C-9
IC002	D-9
IC003	D-10
IC004	E-9
IC005	B-8
IC102	B-5
IC201	F-8
IC301	D-5
IC302	B-7
IC331	C-7
IC501	D-2
IC502	C-4
IC601	G-5
IC801	F-3
IC802	E-4

TRIMMER	
CT331	C8
CT332	C8

TRANSISTOR	
Q001	D-8
Q003	C-9
Q004	D-10
Q005	B-8
Q006	C-8
Q007	B-4
Q015	D-3
Q016	D-10
Q017	E-9
Q019	D-10
Q020	D-8
Q104	C-1
Q106	A-2
Q107	A-2
Q112	A-7
Q114	B-5
Q115	A-6
Q123	A-2
Q141	C-3
Q302	C-7
Q304	B-6
Q305	B-6
Q307	B-6
Q310	A-3
Q311	A-3
Q401	B-1
Q457	D-1
Q504	C-3
Q505	B-3
Q601	G-5
Q801	F-4
Q802	H-3
Q803	F-3

VARIABLE RESISTOR	
RV001	D-9
RV501	D-2
RV502	B-4
RV503	C-4
RV505	D-2
RV801	F-4
RV802	E-2



M

ABLE CARBON
ABLE FUSIBLE
ABLE METAL OXIDE
ABLE CEMENT
ABLE WIREWOUND
LE RESISTOR
UCTOR

YLENE

POLYESTER
POLYPROPYLENE

ERATURE
LE

nput.
eter.
s otherwise noted.
al production

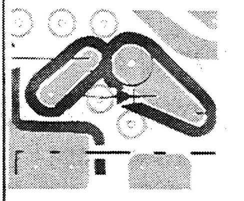
5-2. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS.

— A Board —

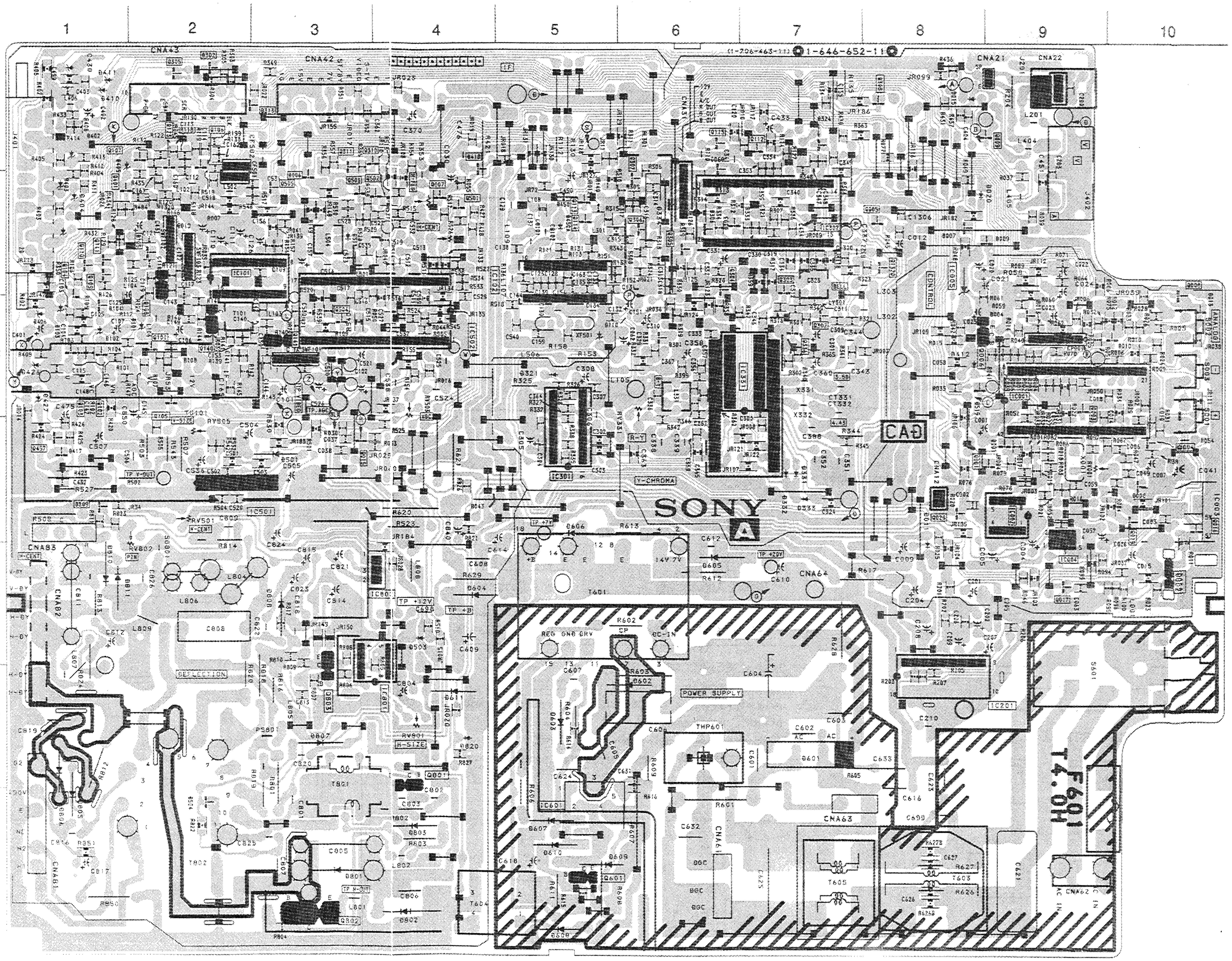
A Board

DIODE		DIODE		TRANSISTOR	
D002	E-10	D604	E-4	Q001	D-8
D004	C-9	D605	E-6	Q003	C-9
D007	B-8	D606	D-5	Q004	D-10
D008	D-10	D607	G-5	Q005	B-8
D009	B-8	D608	H-5	Q006	C-8
D011	E-8	D609	G-5	Q007	B-4
D020	B-8	D610	G-5	Q015	D-3
D110	C-5	D611	F-4	Q016	D-10
D301	C-6	D801	G-3	Q017	E-9
D302	A-2	D802	H-4	Q019	D-10
D303	B-6	D803	G-4	Q020	D-8
D305	A-2	D805	G-1	Q104	C-1
D306	B-6	D806	F-1	Q106	A-2
D313	A-3	D807	F-3	Q107	A-2
D321	C-5	D808	E-3	Q112	A-7
D324	A-7	D810	E-1	Q114	B-5
D334	B-6	D811	E-1	Q115	A-6
D402	A-1	D820	F-4	Q123	A-2
D403	B-1	**IC**		Q141	C-3
D404	B-1			Q302	C-7
D405	A-1	IC001	C-9	Q304	B-6
D406	C-1	IC002	D-9	Q305	B-6
D411	A-1	IC003	D-10	Q307	B-6
D417	D-1	IC004	E-9	Q310	A-3
D418	A-4	IC005	B-8	Q311	A-3
D426	C-1	IC102	B-5	Q401	B-1
D427	C-1	IC201	F-8	Q457	D-1
D450	B-5	IC301	D-5	Q504	C-3
D501	D-3	IC302	B-7	Q505	B-3
D503	E-4	IC331	C-7	Q601	G-5
D504	G-2	IC501	D-2	Q801	F-4
D519	C-8	IC502	C-4	Q802	H-3
D601	F-7	IC601	G-5	Q803	F-3
D602	F-6	IC801	F-3	**VARIABLE RESISTOR**	
D603	F-5	IC802	E-4		
		TRIMMER			
		CT331	C8	RV001	D-9
		CT332	C8	RV501	D-2
				RV502	B-4
				RV503	C-4
				RV505	D-2
				RV801	F-4
				RV802	E-2

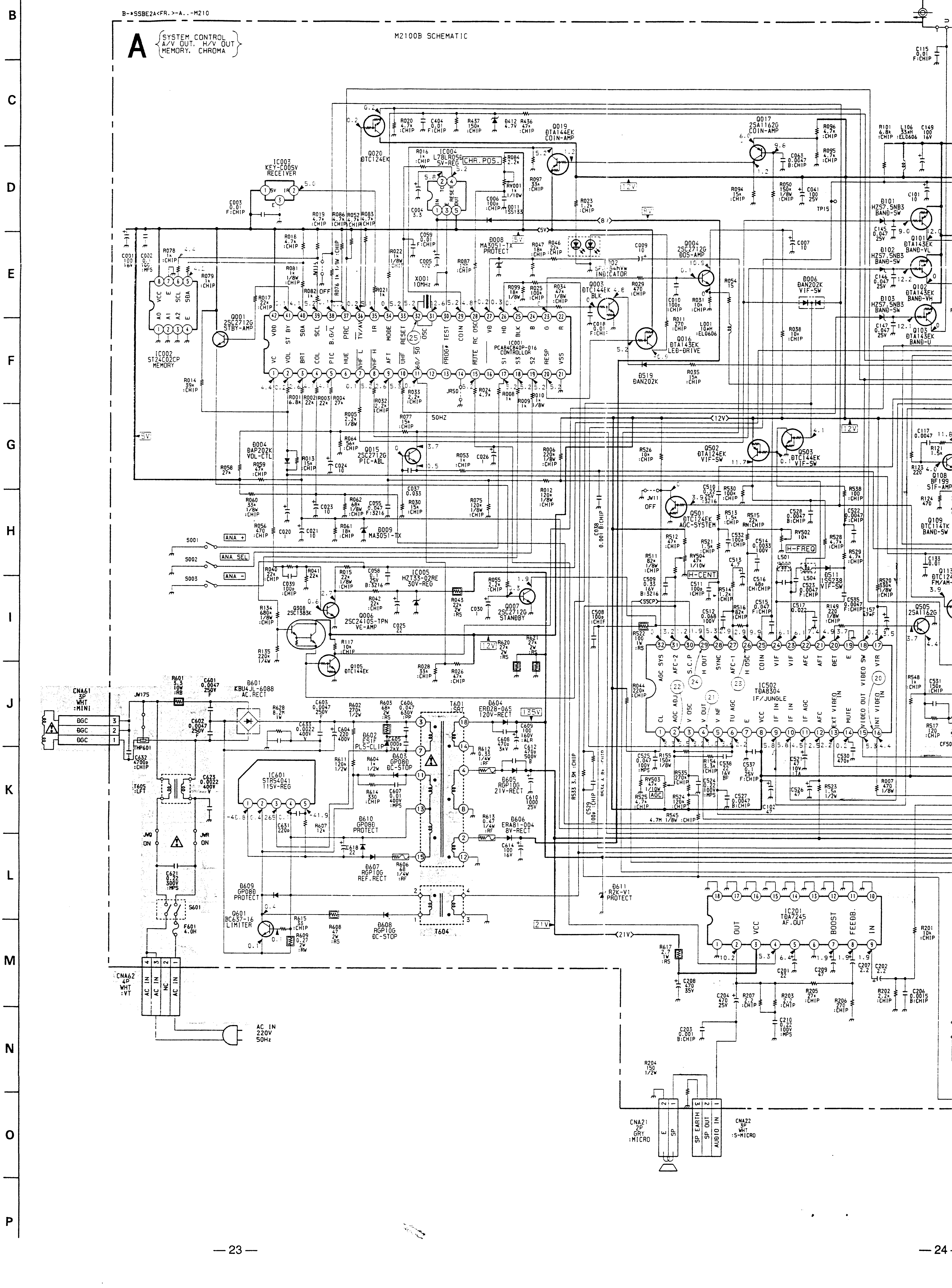
A SYSTEM CONTROL
H/V OUT, MEMORY, CHROMA

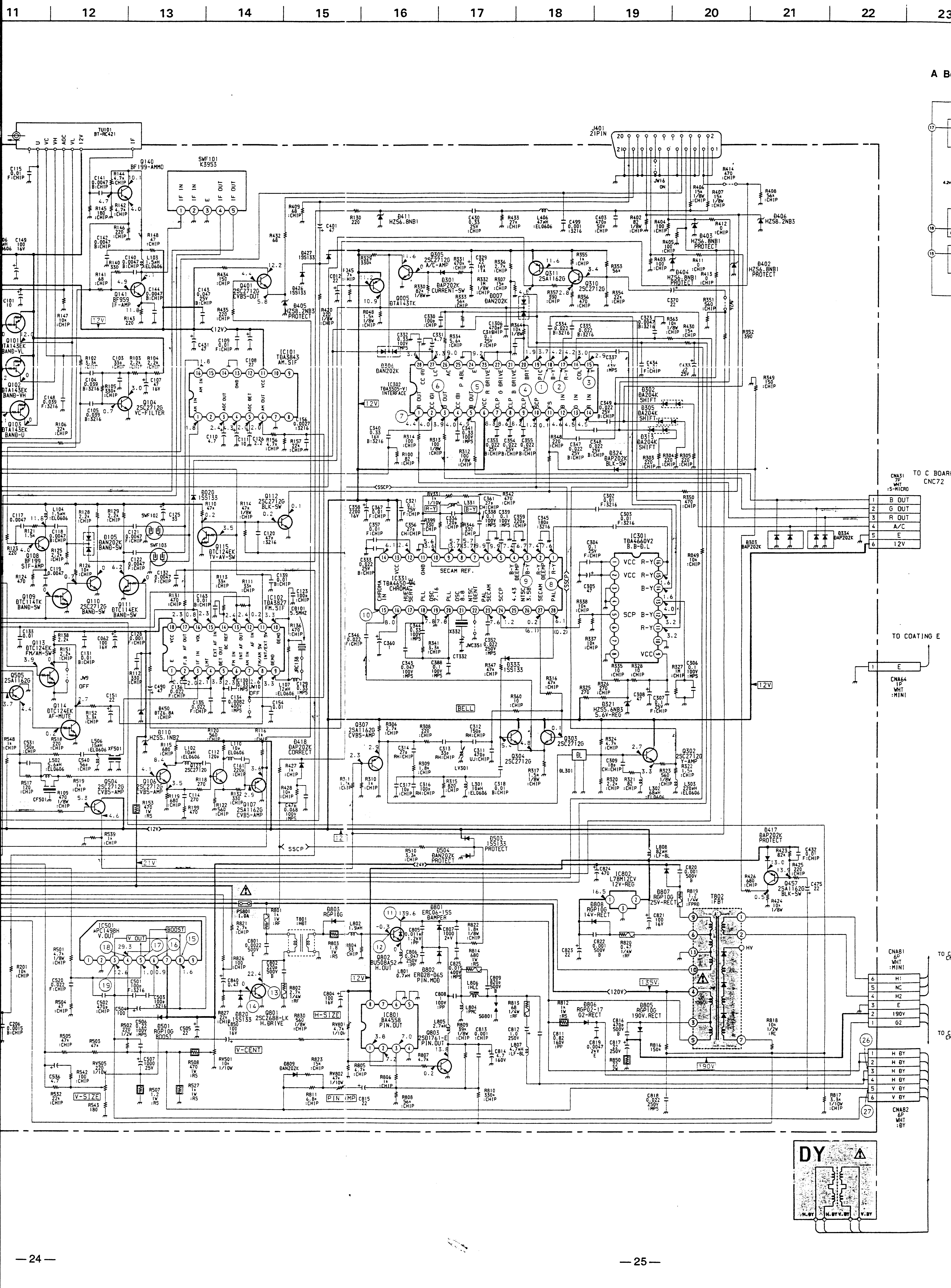


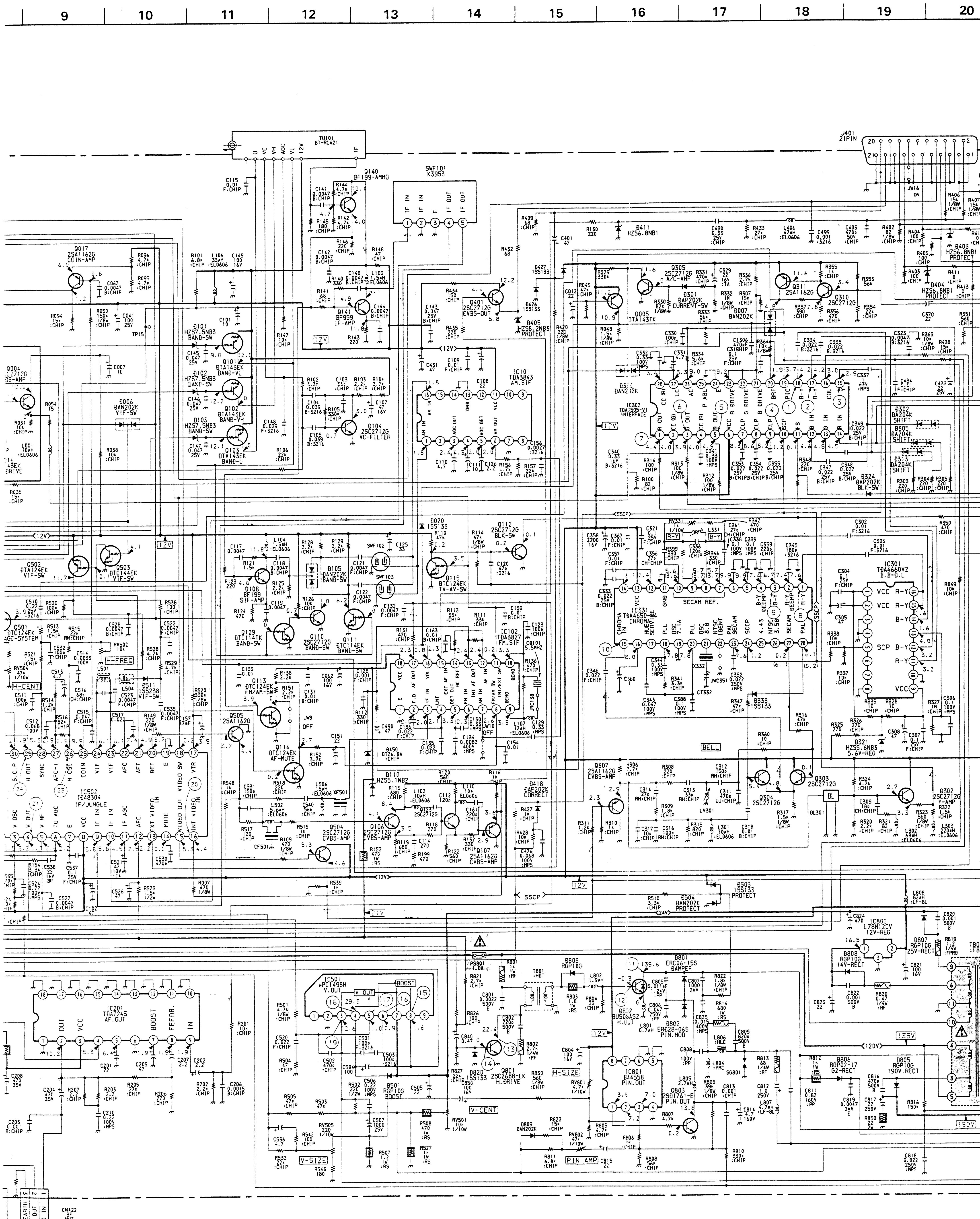
NOTE:
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

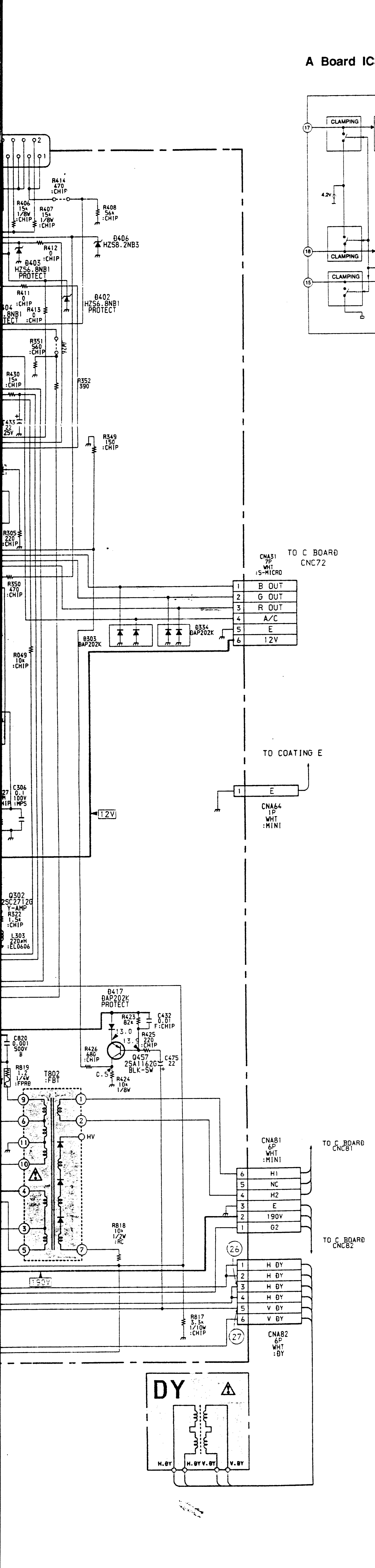

1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
G
CNA43
CNA42
CNA21
CNA22
1-646-652-11
SONY
A
CAD
Y-CHROMA
DEFLECTION
POWER SUPPLY
REG GND GRY
H-SIZE
TP +12V
CNA64
CNA63
CNA61
CNA62
F601
T4.0H
THP601
T601
T801
T605

KV-M2100B SCHEMATIC

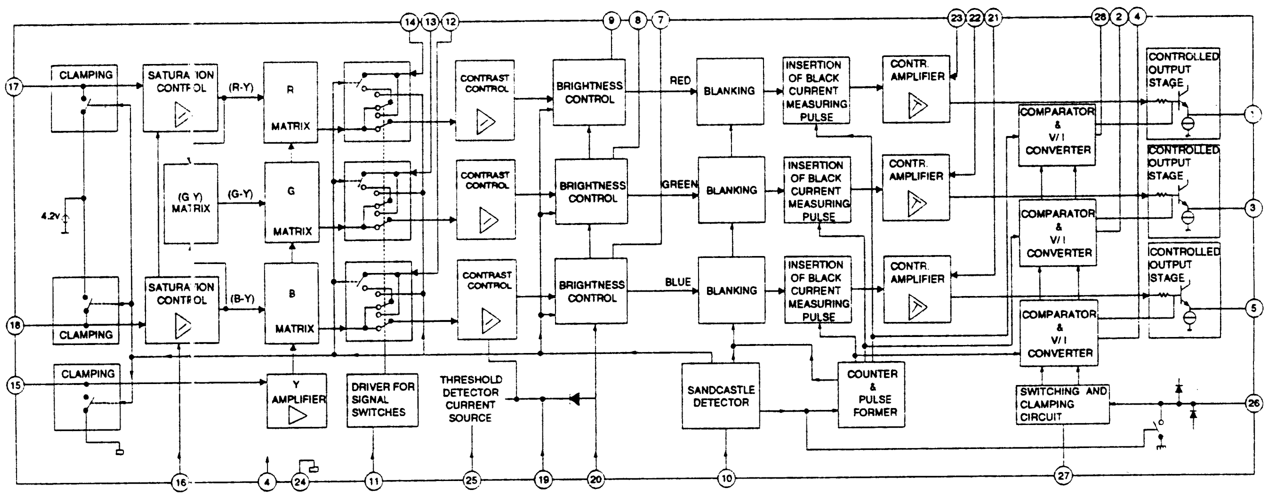

B-*SSBE2A<FR.>-A..-M210
A
SYSTEM CONTROL
A/V OUT. H/V OUT
MEMORY. CHROMA
M2100B SCHEMATIC
IC003 KEY-C005V RECEIVER
IC002 ST24C02CP MEMORY
Q001 2SC2712G STBY-AMP
IC004 L78LR05D 5V-REG
CHR.POS.
X001 10MHz
IC001 PCA84C840P-016 CONTROLLER
Q020 DTC124EK
Q019 DTA144EK COIN-AMP
Q017 2SA1162G COIN-AMP
D008 MA3051-TX PROTECT
D02 INDICATOR
Q003 DTC144EK BLK
Q004 2SC2712G BOS-AMP
Q016 DTA143EK LED-DRIVE
D519 DAN202K
D006 DAN202K VIF-SW
D101 HZS7.5NB3 BAND-SW
Q101 DTA143EK BAND-VL
D102 HZS7.5NB3 BAND-SW
Q102 DTA143EK BAND-VH
D103 HZS7.5NB3 BAND-SW
Q103 DTA143EK BAND-U
D004 DAP202K VOL-CTL
Q015 2SC2712G PIC-ABL
D009 MA3051-TX
Q502 DTA124EK VIF-SW
Q503 DTC144EK VIF-SW
Q108 BF199 SIF-AMP
Q109 DTC114TK BAND-SW
Q501 DTC124EK AGC-SYSTEM
H-FREQ
H-CENT
D511 1SS238 VIF-SW
S001 ANA +
S002 ANA SEL
S003 ANA -
IC005 HZT33-02RE 30V-REG
Q308 2SC1383K
Q006 2SC2410S-TPN VE-AMP
Q007 2SC2712G STANDBY
Q105 DTC144EK
IC502 TDA8304 IF/JUNGLE
Q505 2SA1162G
CNA61 3P WHT :MINI
DGC
D601 KBU4JL-6088 AC.RECT
THP601
T605 LFT
D602 ES1F PLS-CLIP
D603 GP08D DC-STOP
T601 SRT
D604 ERD28-06S 120V-RECT
135V
D605 RGP10G 21V-RECT
D606 ERA81-004 8V-RECT
IC601 STR54041 115V-REG
D610 GP08D PROTECT
D607 RGP10G REF.RECT
D609 GP08D PROTECT
Q601 BC637-16 LIMITER
D608 RGP10G DC-STOP
T604
S601
F601 4.0H
JW175
D611 RZK-V1 PROTECT
IC201 TDA7245 AF.OUT
CNA62 4P WHT :VT
AC IN 220V 50Hz
CNA21 2P GRY :MICRO
CNA22 3P WHT :S-MICRO
SP EARTH
SP OUT
AUDIO IN
12V
21V
5V


11
12
13
14
15
16
17
18
19
20
21
22
A Bo
TU101 BT-RC421
U VC VH AGC VL 12V IF
J401 21PIN
SWF101 K3953
IF IN IF IN E IF OUT IF OUT
Q140 BF199-AMMO
Q141 BF959 IF-AMP
Q101 DTA143EK BAND-VL
Q102 DTA143EK BAND-VH
Q103 DTA143EK BAND-U
Q104 2SC2712G VC-FILTER
Q401 2SC2712G CVBS-OUT
IC101 TDA3843 AM.SIF
IC302 TDA3505-V1 INTERFACE
Q305 2SC2712G A/C-AMP
Q005 DTA143TK
Q311 2SA1162G
Q310 2SC2712G
D402 HZS6.8NB1 PROTECT
D403 HZS6.8NB1 PROTECT
D404 HZS6.8NB1 PROTECT
D405 HZS8.2NB3 PROTECT
D406 HZS8.2NB3
D411 HZS6.8NB1
D302 DA204K SHIFT
D305 DA204K SHIFT
D313 DA204K SHIFT
D324 DAP202K BLK-SW
12V
SSCP
Q108 BF199 SIF-AMP
Q109 DTC114TK BAND-SW
Q110 2SC2712G BAND-SW
Q111 DTC114EK BAND-SW
Q112 2SC2712G BLK-SW
Q115 DTC124EK TV-AV-SW
IC102 TDA3827 FM.SIF
IC331 TDA4650-V4 CHROMA
SECAM REF.
IC301 TDA4660V2 B.B-D.L
CNA31 7P WHT :S-MICRO
TO C BOARD CNC72
B OUT
G OUT
R OUT
A/C
E
12V
TO COATING E
CNA64 1P WHT :MINI
Q113 DTC124EK FM/AM-SW
Q114 DTC124EK AF-MUTE
Q505 2SA1162G
Q504 2SC2712G CVBS-AMP
Q106 2SC2712G CVBS-AMP
Q107 2SA1162G CVBS-AMP
Q307 2SA1162G CVBS-AMP
Q304 2SC2712G
Q303 2SC2712G
Q302 2SC2712G Y-AMP
D321 HZS5.6NB3 5.6V-REG
BELL
D503 1SS133 PROTECT
D504 DAN202K PROTECT
D417 DAP202K PROTECT
Q457 2SA1162G BLK-SW
24V
21V
IC501 µPC1498H V.OUT
V OUT
BOOST
PS801 1.0A
T801 HDT
Q801 2SC2688-LK H.DRIVE
Q802 BU508AS2 H.OUT
D801 ERC06-15S DAMPER
D802 ERD28-06S PIN.MOD
IC801 BA4558 PIN.OUT
Q803 2SD1761-E PIN.OUT
IC802 L78M12CV 12V-REG
D807 RGP10G 25V-RECT
D808 RGP10G 14V-RECT
D806 RGP02-17 G2-RECT
D805 RGP10G 190V.RECT
T802 FBT
HV
135V
120V
190V
H-SIZE
V-CENT
V-SIZE
PIN AMP
CNA81 6P WHT :MINI
HI
NC
H2
E
190V
G2
CNA82 6P WHT :DY
H DY
H DY
H DY
V DY
V DY
DY
H.DY
H.DY V.DY
V.DY

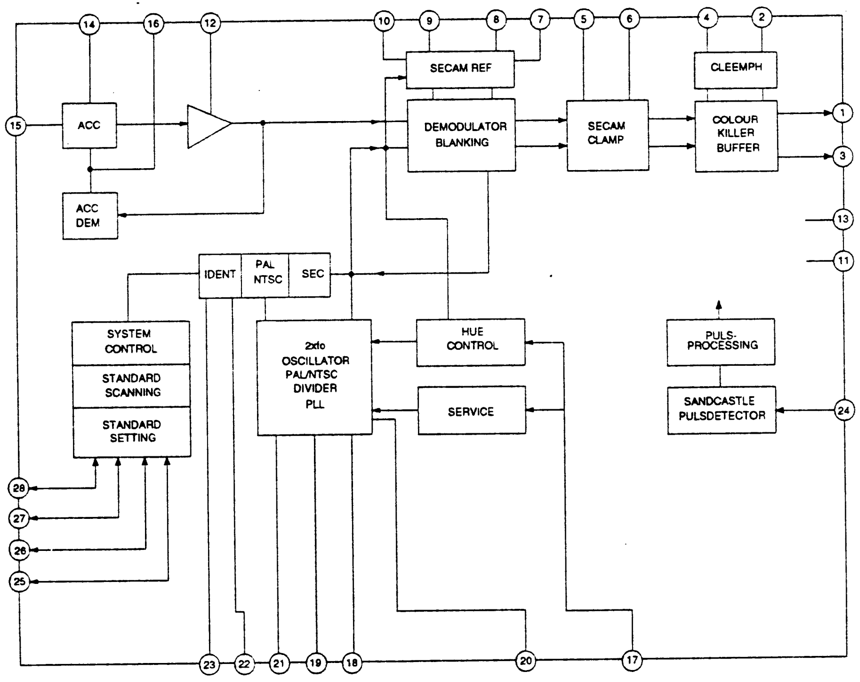

9
10
11
12
13
14
15
16
17
18
19
20
TU101 BT-RC421
U
VL
VH
AGC
VL
12V
IF
SWF101 K3953
IF IN
IF IN
E
IF OUT
IF OUT
J401 21PIN
Q140 BF199-AMMO
Q141 BF959 IF-AMP
Q017 2SA1162G COIN-AMP
Q101 DTA143EK BAND-VL
Q102 DTA143EK BAND-VH
Q103 DTA143EK BAND-U
D101 HZS7.5NB3 BAND-SW
D102 HZS7.5NB3 BAND-SW
D103 HZS7.5NB3 BAND-SW
D006 DAN202K VIF-SW
Q104 2SC2712G VC-FILTER
Q401 2SC2712G CVBS-OUT
D405 HZS6.2NB3 PROTECT
D411 HZS6.8NB1
IC101 TDA3843 AM.SIF
Q305 2SC2712G A/C-AMP
D301 DAP202K CURRENT-SW
Q005 DTA143TK
D007 DAN202K
Q311 2SA1162G
Q310 2SC2712G
D403 HZS6.8NB1 PROTECT
D404 HZS6.8NB1 PROTECT
IC302 TDA1505-V1 INTERFACE
D302 DA204K SHIFT
D305 DA204K SHIFT
D313 DA204K SHIFT
D324 DAP202K BLK-SW
12V
SSCP
Q502 DTA124EK VIF-SW
Q503 DTC144EK VIF-SW
D020 1SS133
Q108 BF199 SIF-AMP
Q109 DTC114TK BAND-SW
D105 DAN202K BAND-SW
Q110 2SC2712G BAND-SW
Q111 DTC114EK BAND-SW
Q112 2SC2712G BLK-SW
Q115 DTC124EK TV-AV-SW
IC331 TDA4650-V4 CHROMA
SECAM REF.
IC301 TDA4660V2 B.B-D.L
VCC
R-Y
B-Y
SCP
Q501 DTC124EK AGC-SYSTEM
H-FREQ
H-CENT
D511 1SS238 VIF-SW
Q113 DTC124EK FM/AM-SW
IC102 TDA3827 FM.SIF
D333 1SS133
D321 HZS5.6NB3 5.6V-REG
BELL
Q505 2SA1162G
Q114 DTC124EK AF-MUTE
D450 DTZ6.8A
D110 HZS5.1NB2
D418 DAP202K CORRECT
Q307 2SA1162G CVBS-AMP
Q304 2SC2712G
Q303 2SC2712G
Q302 2SC2712G Y-AMP
IC502 TDA8304 IF/JUNGLE
Q504 2SC2712G CVBS-AMP
Q106 2SC2712G CVBS-AMP
Q107 2SA1162G CVBS-AMP
D503 1SS133 PROTECT
D504 DAN202K PROTECT
24V
IC802 L78M12CV 12V-REG
D807 RGP10G 25V-RECT
D808 RGP10G 14V-RECT
PS801 1.0A
T801 HBT
D803 RGP10G
D801 ERC06-15S DAMPER
Q802 BU508AS2 H.OUT
D802 ERD28-06S PIN.MOD
IC201 TDA7245 AF.OUT
OUT
VCC
BOOST
FEEDB.
IN
IC501 µPC1498H V.OUT
V OUT
BOOST
D820 1SS133
Q801 2SC2688-LK H.DRIVE
H-SIZE
IC801 BA4558 PIN.OUT
Q803 2SD1761-E PIN.OUT
D806 RGP02-17 G2-RECT
D805 RGP10G 190V.RECT
120V
135V
190V
D501 RGP10G BOOST
V-CENT
V-SIZE
PIN AMP
D809 DAN202K
SP EARTH
SP OUT
AUDIO IN
CNA22 3P WHT :S-MICRO


R414 470 :CHIP
R406 15k 1/8W :CHIP
R407 15k 1/8W :CHIP
R408 56k :CHIP
D406 HZS8.2NB3
R412 0 :CHIP
D403 HZS6.8NB1 PROTECT
R411 0 :CHIP
R413 0 :CHIP
D402 HZS6.8NB1 PROTECT
R351 560 :CHIP
R430 15k :CHIP
R352 390
R349 150 :CHIP
R305 220 :CHIP
R350 470 :CHIP
CNA31 7P WHT :S-MICRO
TO C BOARD CNC72
B OUT
G OUT
R OUT
A/C
E
12V
D303 DAP202K
D334 DAP202K
R049 10k :CHIP
TO COATING E
CNA64 1P WHT :MINI
C306 0.1 100V :MPS
12V
Q302 2SC2712G Y-AMP
R322 1.5k :CHIP
L303 220μH :EL0606
D417 DAP202K PROTECT
R423 82k
C432 0.01 F:CHIP
R425 220 :CHIP
R426 680 :CHIP
Q457 2SA1162G BLK-SW
C475 22
R424 10k 1/8W
C820 0.001 500V B
R819 1.2 1/4W :FPRB
T802 :FBT
HV
CNA81 6P WHT :MINI
TO C BOARD CNC81
H1
NC
H2
E
190V
G2
R818 10k 1/2W :RC
TO C BOARD CNC82
H DY
H DY
H DY
H DY
V DY
V DY
R817 3.3k 1/10W :CHIP
CNA82 6P WHT :DY
190V
DY
H.DY
H.DY V.DY
V.DY

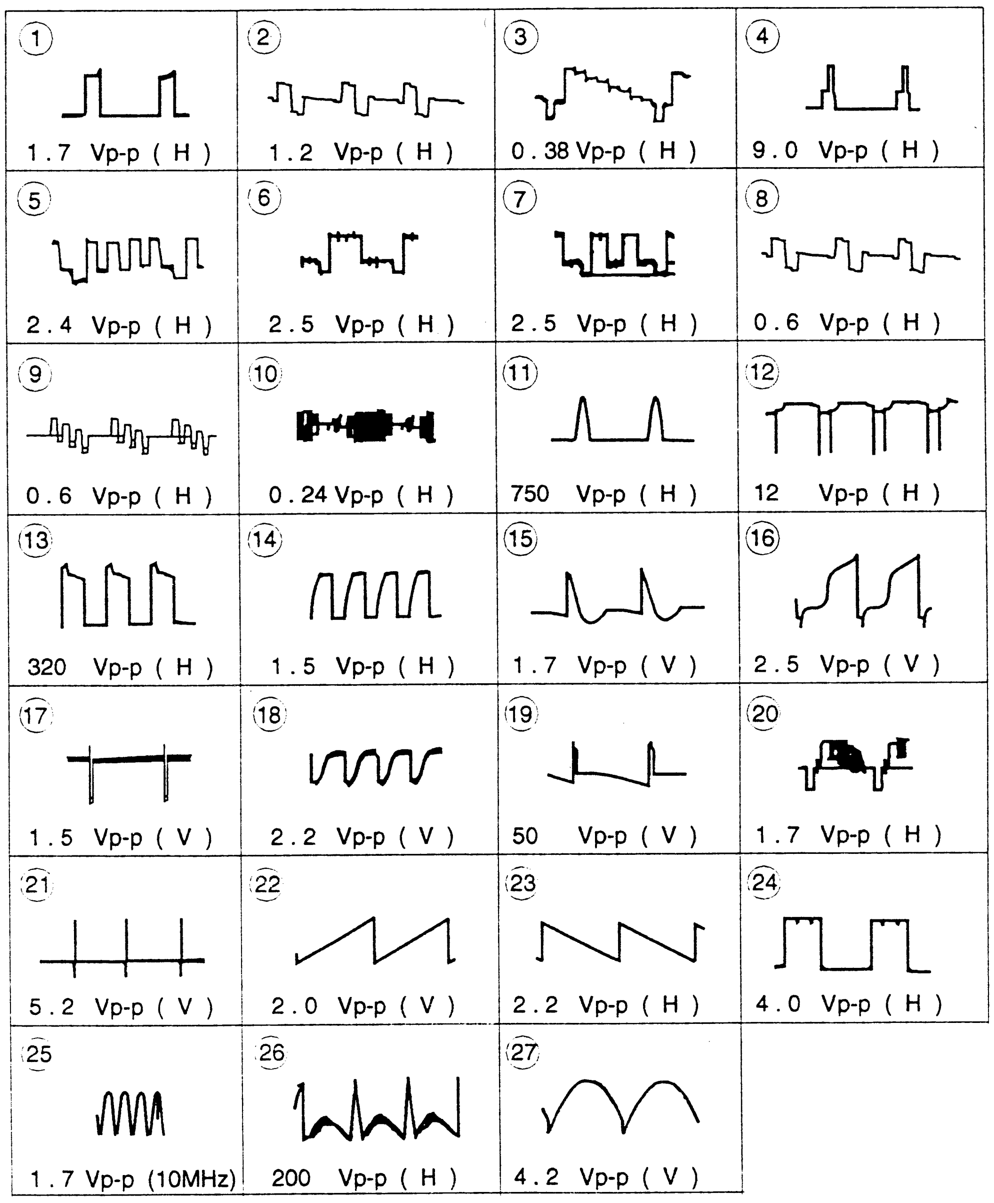
A Board IC302 TDA3505-V1


CLAMPING
SATURATION CONTROL
(R-Y)
R MATRIX
(G-Y) MATRIX
G MATRIX
(B-Y)
B MATRIX
4.2V
CLAMPING
CLAMPING
Y AMPLIFIER
DRIVER FOR SIGNAL SWITCHES
THRESHOLD DETECTOR CURRENT SOURCE
CONTRAST CONTROL
BRIGHTNESS CONTROL
RED
GREEN
BLUE
BLANKING
INSERTION OF BLACK CURRENT MEASURING PULSE
CONTR. AMPLIFIER
COMPARATOR & V/I CONVERTER
CONTROLLED OUTPUT STAGE
SANDCASTLE DETECTOR
COUNTER & PULSE FORMER
SWITCHING AND CLAMPING CIRCUIT
14 13 12 9 8 7 23 22 21 28 2 4
17 18 15 1 3 5 26
16 4 24 11 25 19 20 10 27

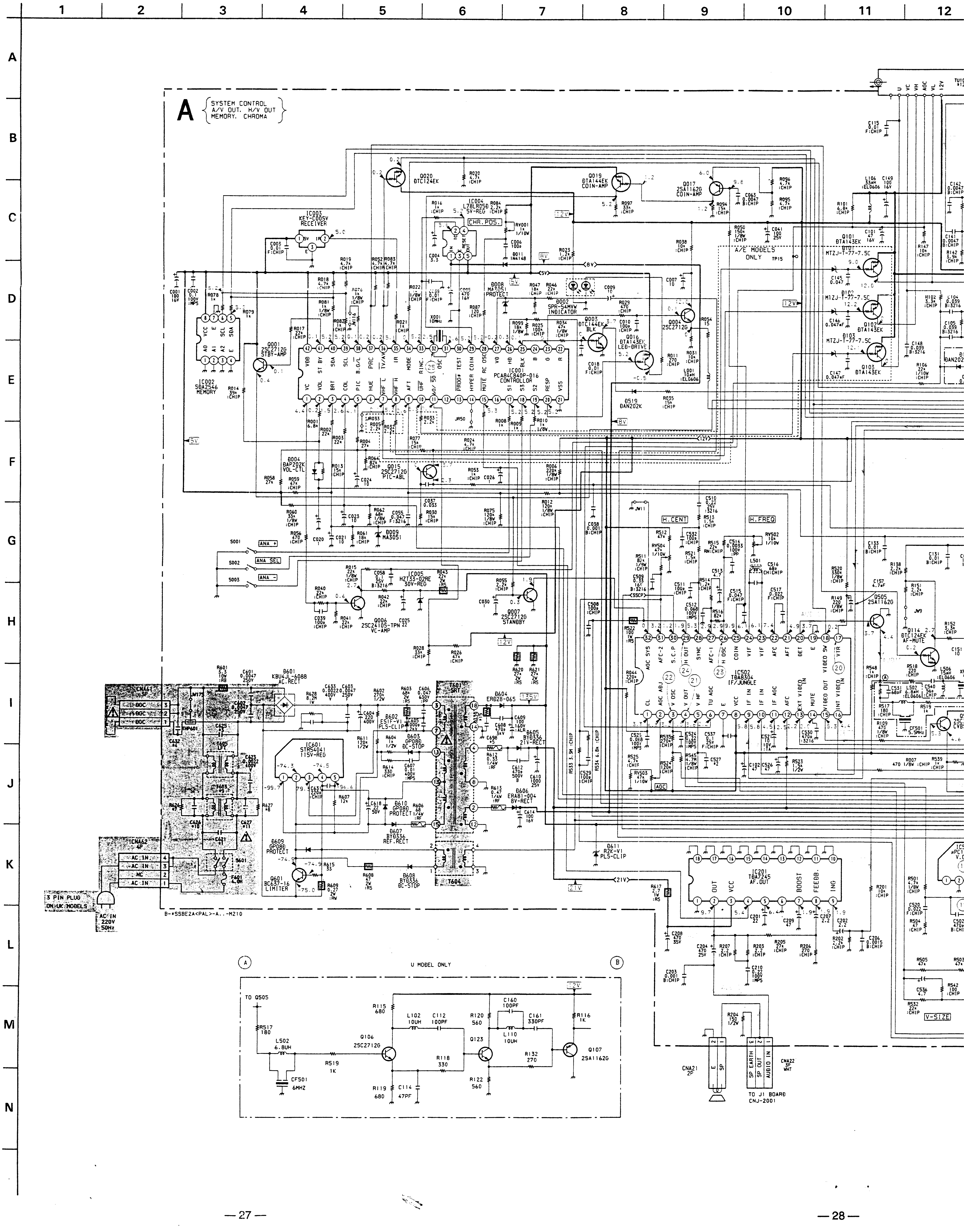
A Board IC331 TDA4650-V4

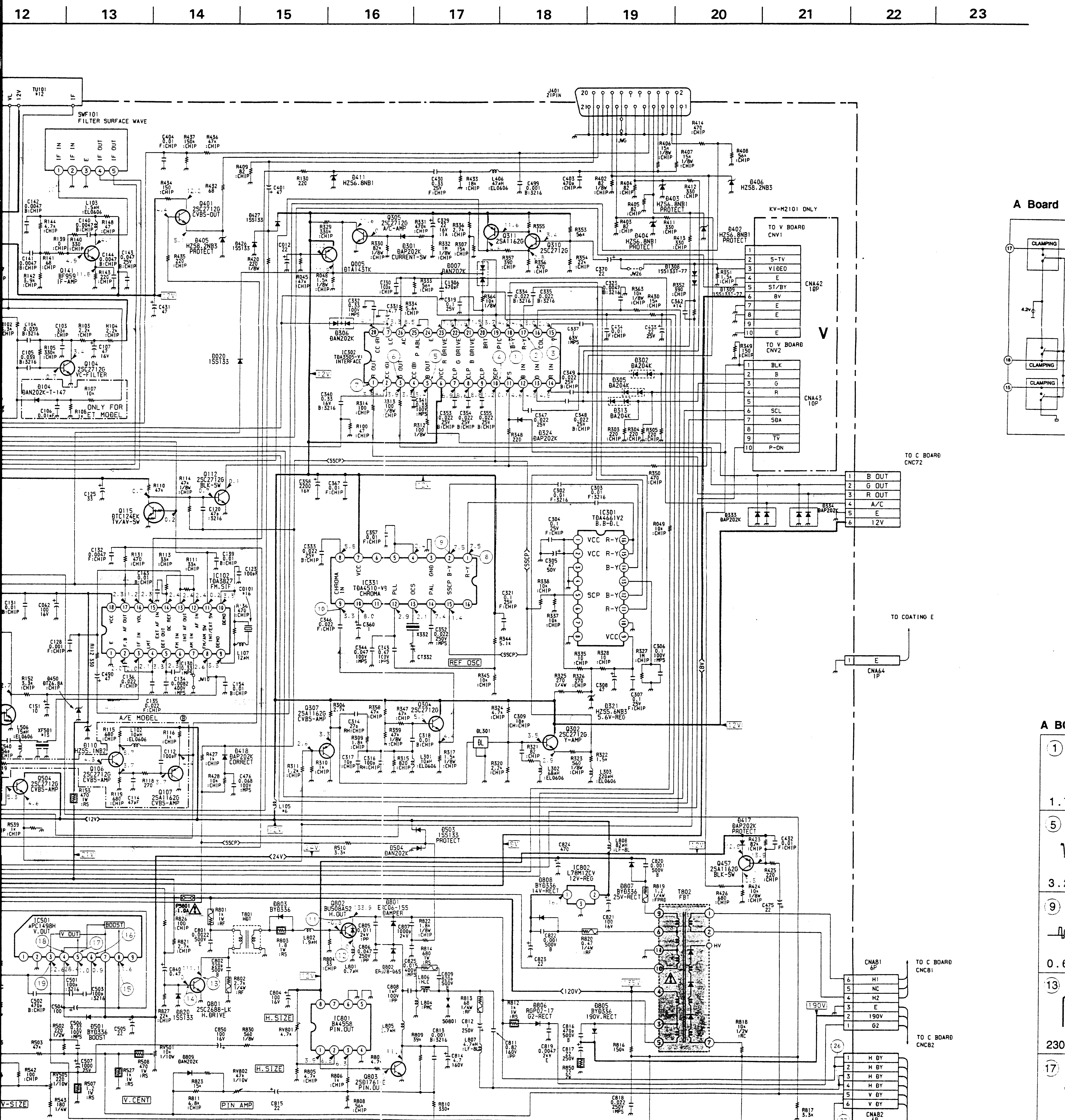

ACC
ACC DEM
SECAM REF
DEMODULATOR BLANKING
SECAM CLAMP
CLEEMPH
COLOUR KILLER BUFFER
IDENT
PAL NTSC
SEC
SYSTEM CONTROL
STANDARD SCANNING
STANDARD SETTING
2xfo OSCILLATOR PAL/NTSC DIVIDER PLL
HUE CONTROL
SERVICE
PULS-PROCESSING
SANDCASTLE PULSDETECTOR
14 16 12 10 9 8 7 5 6 4 2
15 1 3 13 11 24
28 27 26 25
23 22 21 19 18 20 17

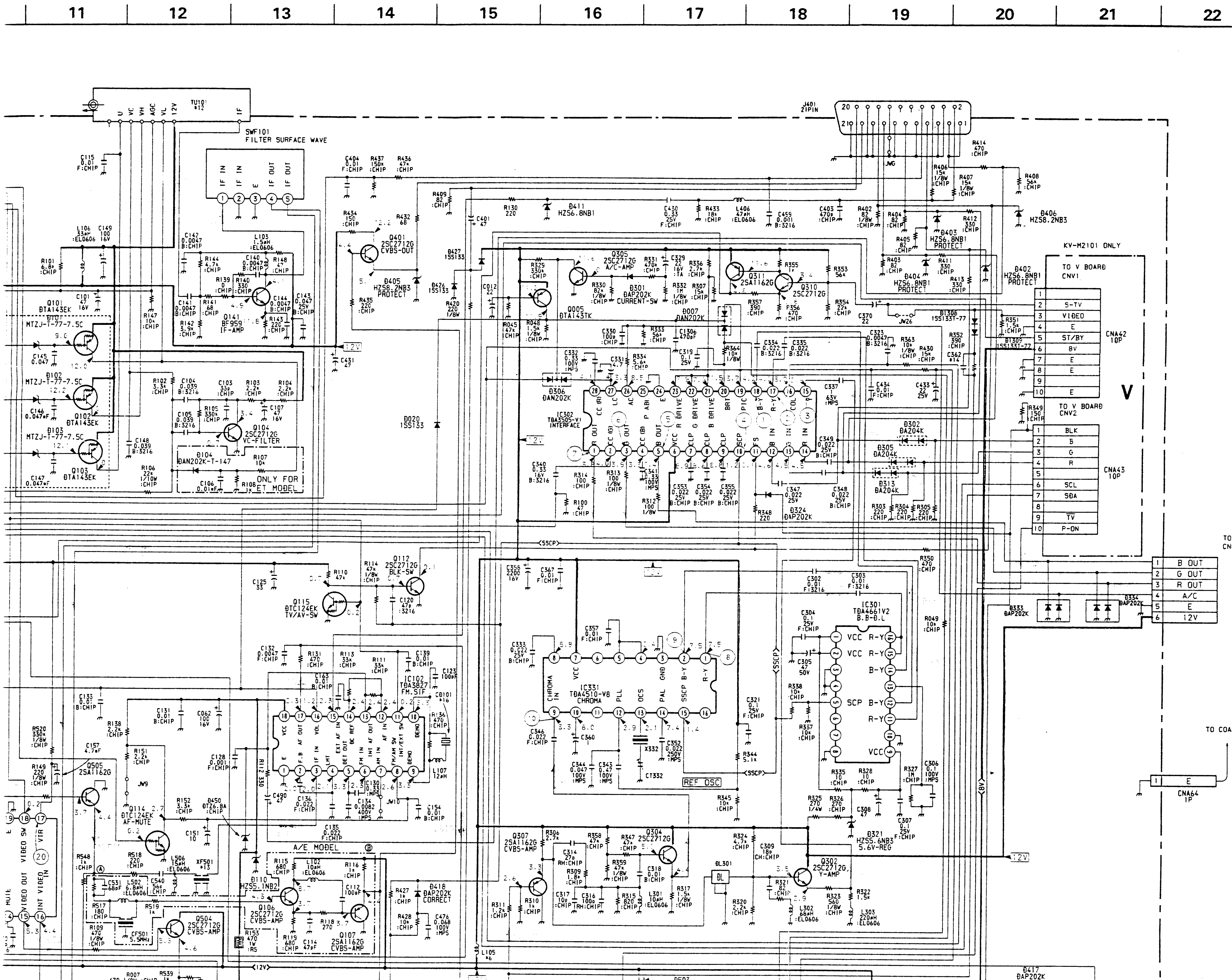
A BOARD WAVEFORMS



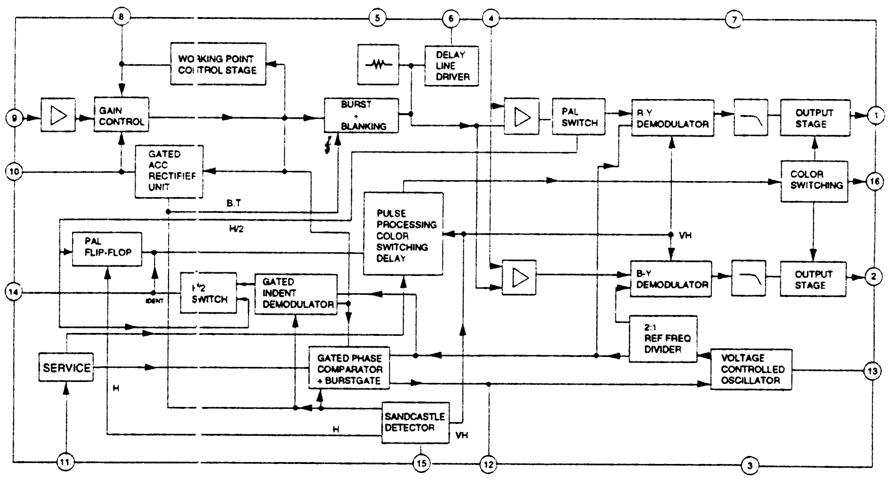
KV-M2101U / M2100A / M2100E SCHEMATIC


1 2 3 4 5 6 7 8 9 10 11 12
A B C D E F G H I J K L M N
A SYSTEM CONTROL A/V OUT. H/V OUT MEMORY. CHROMA
IC001 PCA84C840P-016 CONTROLLER
IC002 SDA2546 MEMORY
IC003 KEY-C00SV RECEIVER
IC004 L78LR05D 5V-REG
IC005 HZT33-02RE 30V-REG
IC502 TDA8304 IF/JUNGLE
IC601 STR54041 115V-REG
IC201 TDA7245 AF.OUT
Q001 2SC2712G STBY-AMP
Q003 DTC144EK BLK
Q004 2SC2712G
Q006 2SC2410S-TPN VC-AMP
Q007 2SC2712G STANDBY
Q015 2SC2712G PIC-ABL
Q016 DTA143EK LED-DRIVE
Q017 2SA1162G COIN-AMP
Q019 DTA144EK COIN-AMP
Q020 DTC124EK
Q101 DTA143EK
Q102 DTA143EK
Q103 DTA143EK
Q114 DTC124EK AF-MUTE
Q505 2SA1162G
Q601 BC637-16 LIMITER
D002 SPR-54MVW INDICATOR
D004 DAP202K VOL-CTL
D008 MA3051 PROTECT
D009 MA3051
D519 DAN202K
D601 KBU4JL-6088 AC.RECT
D602 ES1F-V1 PLS-CLIP
D603 GP08D DC-STOP
D604 ERD28-06S
D605 BYD33G 21V-RECT
D606 ERA81-004 8V-RECT
D607 BYD33G REF.RECT
D608 BYD33G DC-STOP
D609 GP08D PROTECT
D610 GP08D PROTECT
D611 R2K-V1 PLS-CLIP
T601 SRT
T604
S001 ANA +
S002 ANA SEL
S003 ANA -
CHR.POS.
H.CENT
H.FREQ
A/E MODELS ONLY
AGC
V-SIZE
CNA61 4P
CNA62 4P
3 PIN PLUG ON UK MOBELS
AC IN 220V 50Hz
B-*SSBE2A<PAL>-A..-M210
CNA21 2P
CNA22 3P WHT
SP EARTH
SP OUT
AUDIO IN
TO J1 BOARD CNJ-2001
U MODEL ONLY
TO Q505
Q106 2SC2712G
Q123
Q107 2SA1162G
L102 10UH
C112 100PF
C160 100PF
C161 330PF
L110 10UH
R115 680
R116 1K
R117 180
R118 330
R119 680
R120 560
R122 560
R132 270
R519 1K
L502 6.8UH
CF501 6MHZ
C114 47PF
12V
5V
8V
21V
135V

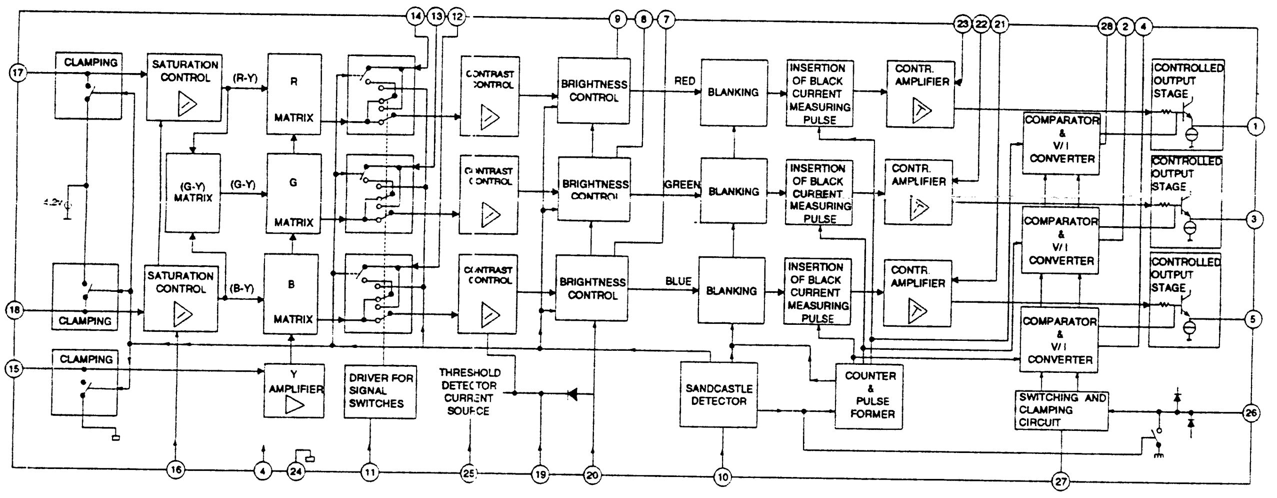

12
13
14
15
16
17
18
19
20
21
22
23
TU101
SWF101 FILTER SURFACE WAVE
J401 21PIN
A Board
CLAMPING
Q401 2SC2712G CVBS-OUT
D405 HZS8.2NB3 PROTECT
D411 HZS6.8NB1
Q305 2SC2712G A/C-AMP
D301 DAP202K CURRENT-SW
Q005 DTA143TK
Q311 2SA1162G
Q310 2SC2712G
D007 DAN202K
D406 HZS8.2NB3
D403 HZS6.8NB1 PROTECT
D404 HZS6.8NB1 PROTECT
D402 HZS6.8NB1 PROTECT
KV-M2101 ONLY
TO V BOARD CNV1
S-TV
VIDEO
E
ST/BY
8V
CNA42 10P
V
TO V BOARD CNV2
BLK
B
G
R
SCL
SDA
TV
P-ON
CNA43 10P
IC302 TDA3505-V1 INTERFACE
D306 DAN202K
D302 DA204K
D305 DA204K
D313 DA204K
D324 DAP202K
Q141 BF959 IF-AMP
Q104 2SC2712G VC-FILTER
D104 DAN202K-T-147
ONLY FOR FET MODEL
D020 1SS133
Q112 2SC2712G BLK-SW
Q115 DTC124EK TV/AV-SW
IC102 TDA3827 FM.SIF
A/E MODEL
Q106 2SC2712G CVBS-AMP
Q107 2SA1162G CVBS-AMP
D418 DAP202K CORRECT
Q504 2SC2712G CVBS-AMP
IC331 TDA4510-V8 CHROMA
REF OSC
IC301 TDA4661V2 B.B-D.L
D321 HZS5.6NB3 5.6V-REG
Q307 2SA1162G CVBS-AMP
Q304 2SC2712G
Q302 2SC2712G Y-AMP
DL301
TO C BOARD CNC72
B OUT
G OUT
R OUT
A/C
E
12V
D333 DAP202K
D334 DAP202K
TO COATING E
CNA64 1P
D503 1SS133 PROTECT
D504 DAN202K
D417 DAP202K PROTECT
Q457 2SA1162G BLK-SW
IC802 L78M12CV 12V-REG
D808 BYD336 14V-RECT
D807 BYD336 25V-RECT
T802 FBT
HV
IC501 µPC1498H V.OUT
BOOST
D501 BYD336 BOOST
PS801 1.0A
T801 HDT
D803 BYD336
Q802 BU508AS2 H.OUT
D801 EIC06-15S DAMPER
Q801 2SC2688-LK H.DRIVE
D820 1SS133
D802 ERC78-065
IC801 BA4558 PIN.OUT
Q803 2SD1761 PIN.OUT
D806 RGP02-17 G2-RECT
D805 BYD336 190V.RECT
H.SIZE
V.CENT
PIN AMP
V-SIZE
CNA81 6P
H1
NC
H2
E
190V
G2
TO C BOARD CNC81
TO C BOARD CNC82
H DY
V DY
CNA82 6P
DY
H.DY
V.DY
A BO


11
12
13
14
15
16
17
18
19
20
21
22
TU101
SWF101 FILTER SURFACE WAVE
J401 21PIN
Q101 DTA143EK
Q102 DTA143EK
Q103 DTA143EK
D101 MTZJ-T-77-7.5C
D102 MTZJ-T-77-7.5C
D103 MTZJ-T-77-7.5C
Q141 BF959 IF-AMP
Q104 2SC2712G VC-FILTER
D104 DAN202K-T-147
ONLY FOR ET MODEL
Q401 2SC2712G CVBS-OUT
D405 HZS8.2NB3 PROTECT
D411 HZS6.8NB1
Q305 2SC2712G A/C-AMP
D301 DAP202K CURRENT-SW
Q005 DTA143TK
Q311 2SA1162G
Q510 2SC2712G
D007 DAN202K
D406 HZS8.2NB3
D403 HZS6.8NB1 PROTECT
D404 HZS6.8NB1 PROTECT
D402 HZS6.8NB1 PROTECT
KV-M2101 ONLY
TO V BOARD CNV1
S-TV
VIDEO
E
ST/BY
8V
TV
P-ON
CNA42 10P
V
TO V BOARD CNV2
BLK
B
G
R
SCL
SDA
CNA43 10P
IC302 TDA3505-V1 INTERFACE
D306 DAN202K
D020 1SS133
D302 DA204K
D305 DA204K
D313 DA204K
D324 DAP202K
Q112 2SC2712G BLK-SW
Q115 DTC124EK TV/AV-SW
IC102 TDA3827 FM.SIF
IC331 TDA4510-V8 CHROMA
REF OSC
IC301 TDA4661V2 B.B-D.L
B OUT
G OUT
R OUT
A/C
12V
D333 DAP202K
D334 DAP202K
TO COA
CNA64 1P
Q505 2SA1162G
Q114 DTC124EK AF-MUTE
A/E MODEL
Q110 HZS5.1NB2
Q106 2SC2712G CVBS-AMP
Q107 2SA1162G CVBS-AMP
Q504 2SC2712G CVBS-AMP
D418 DAP202K CORRECT
Q307 2SA1162G CVBS-AMP
Q304 2SC2712G
Q302 2SC2712G Y-AMP
D321 HZS5.6NB3 5.6V-REG
D503 1SS133 PROTECT
D504 DAN202K
D417 DAP202K PROTECT
Q457 2SA1162G BLK-SW
IC802 L78M12CV 12V-REG
D808 BYD336 14V-RECT
D807 BYD336 25V-RECT
T802 FBT
HV
IC501 μPC1498H V.OUT
BOOST
D803 BYD336
T801 HDT
Q802 BU508AS2 H.OUT
D801 ERC06-15S DAMPER
D802 ERD28-06S
Q801 2SC2688-LK H.DRIVE
D820 1SS133
D501 BYD336 BOOST
IC801 BA4558 PIN.OUT
H.SIZE
Q803 2SD1761-E PIN.OUT
D806 RGP02-17 GZ-RECT
D805 BYD336 190V.RECT
D809 DAN202K
V-SIZE
V.CENT
PIN AMP
CNA81 6P
H1
NC
H2
190V
G2
H DY
V DY
CNA82 6P
DY
H.DY
V.DY

A Board IC331 TDA4510-V8


WORKING POINT CONTROL STAGE
DELAY LINE DRIVER
GAIN CONTROL
BURST + BLANKING
PAL SWITCH
R-Y DEMODULATOR
OUTPUT STAGE
GATED ACC RECTIFIER UNIT
COLOR SWITCHING
B.T
H/2
PULSE PROCESSING COLOR SWITCHING DELAY
VH
PAL FLIP-FLOP
H/2 SWITCH
IDENT
GATED INDENT DEMODULATOR
B-Y DEMODULATOR
OUTPUT STAGE
2:1 REF FREQ DIVIDER
SERVICE
GATED PHASE COMPARATOR + BURSTGATE
VOLTAGE CONTROLLED OSCILLATOR
H
SANDCASTLE DETECTOR
H
VH
8
5
6
4
7
9
1
10
16
14
2
13
11
15
12
3

A Board IC302 TDA3505-V1


CLAMPING
SATURATION CONTROL
(R-Y)
R MATRIX
CONTRAST CONTROL
BRIGHTNESS CONTROL
RED
BLANKING
INSERTION OF BLACK CURRENT MEASURING PULSE
CONTR. AMPLIFIER
CONTROLLED OUTPUT STAGE
COMPARATOR & V/I CONVERTER
(G-Y) MATRIX
(G-Y)
G MATRIX
4.2V
GREEN
SATURATION CONTROL
(B-Y)
B MATRIX
BLUE
CLAMPING
CLAMPING
Y AMPLIFIER
DRIVER FOR SIGNAL SWITCHES
THRESHOLD DETECTOR CURRENT SOURCE
SANDCASTLE DETECTOR
COUNTER & PULSE FORMER
SWITCHING AND CLAMPING CIRCUIT
14
13
12
9
8
7
23
22
21
28
2
4
17
18
15
1
3
5
26
16
4
24
11
25
19
20
10
27

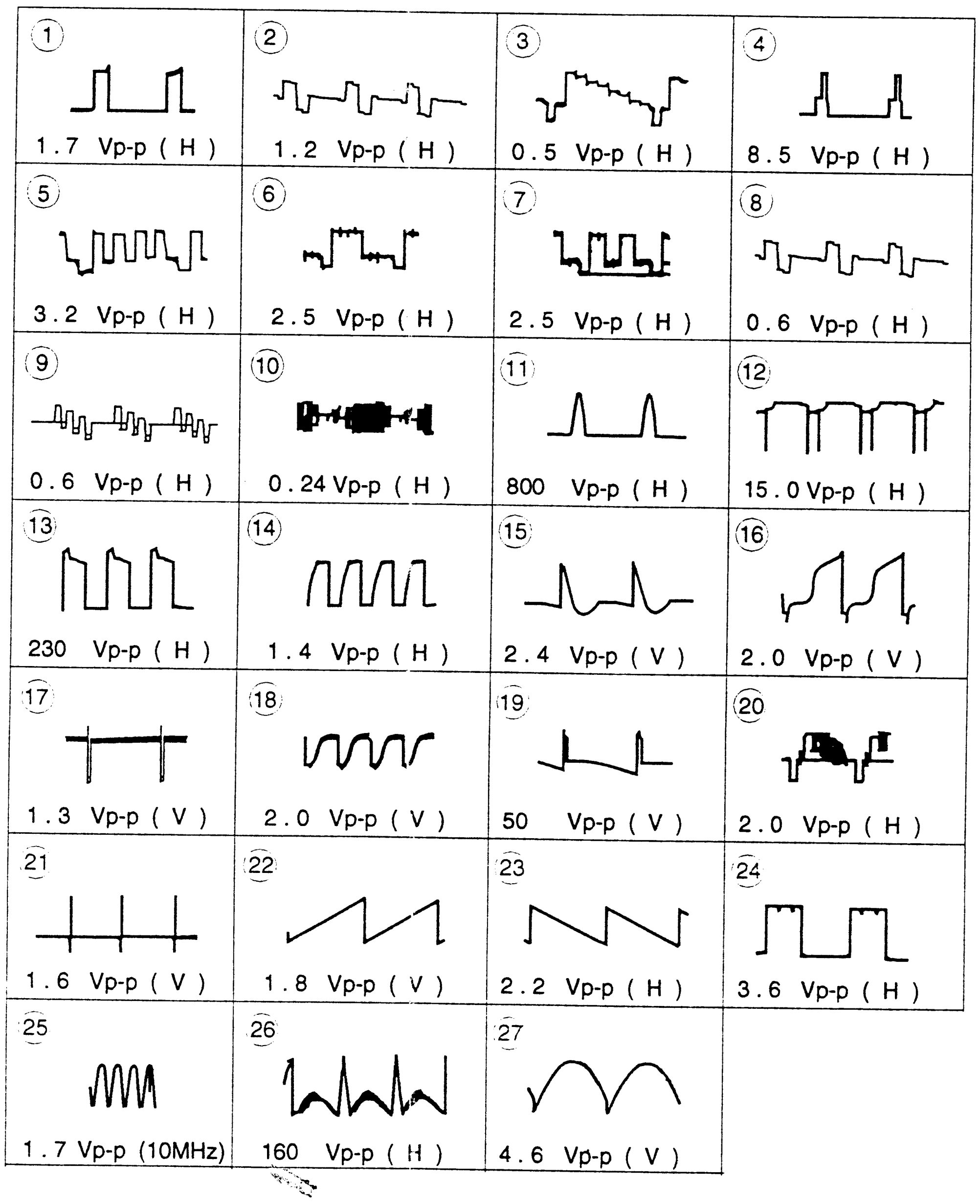
TO C BOARD
CNC72
OUT
OUT
OUT
/C
E
2V
TO COATING E
E
A64
P
81
1
C
2
E
0V
2
TO C BOARD
CNC81
TO C BOARD
CNC82
DY
DY
DY
DY
DY
DY
82

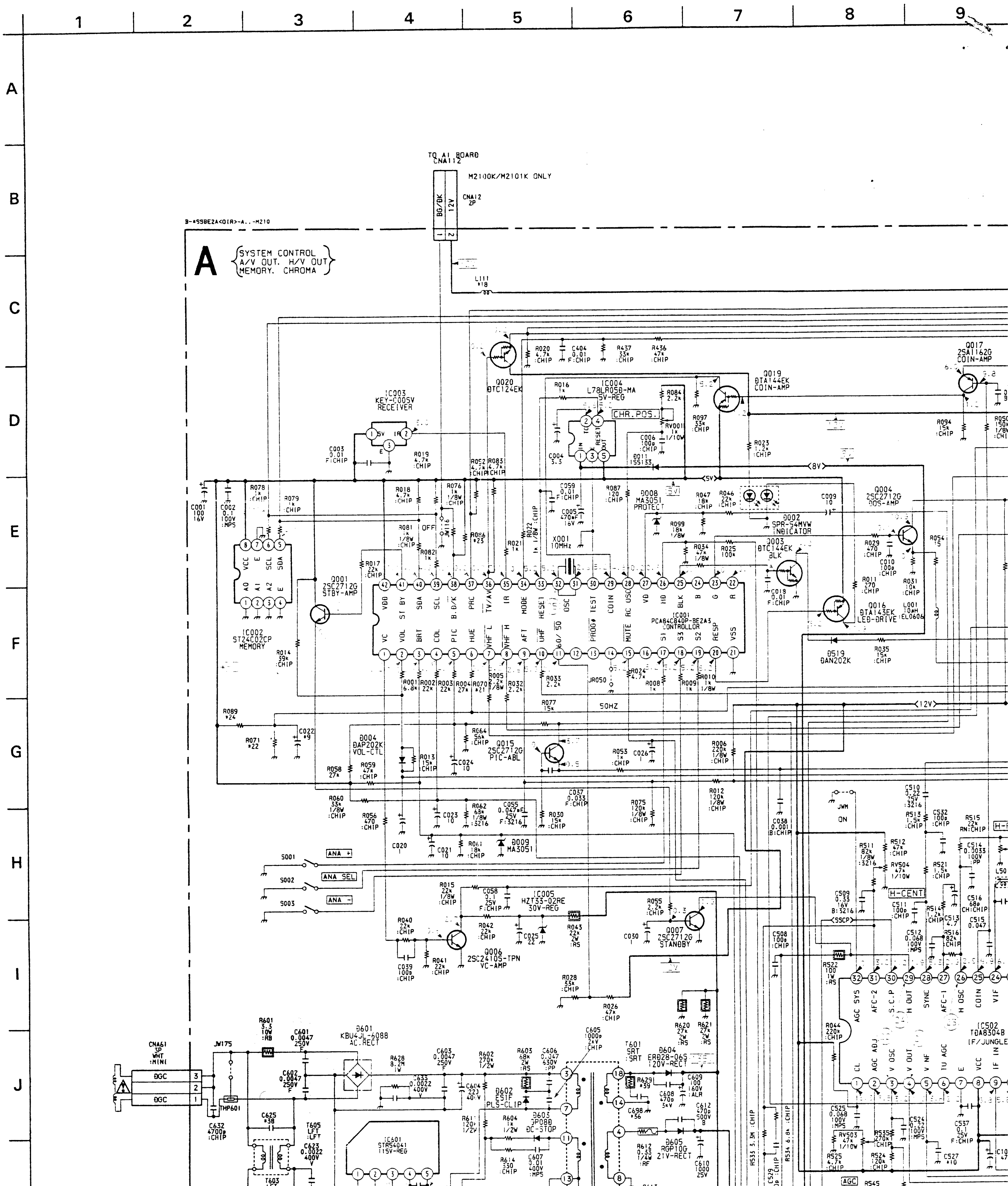
A Board
* Mark List

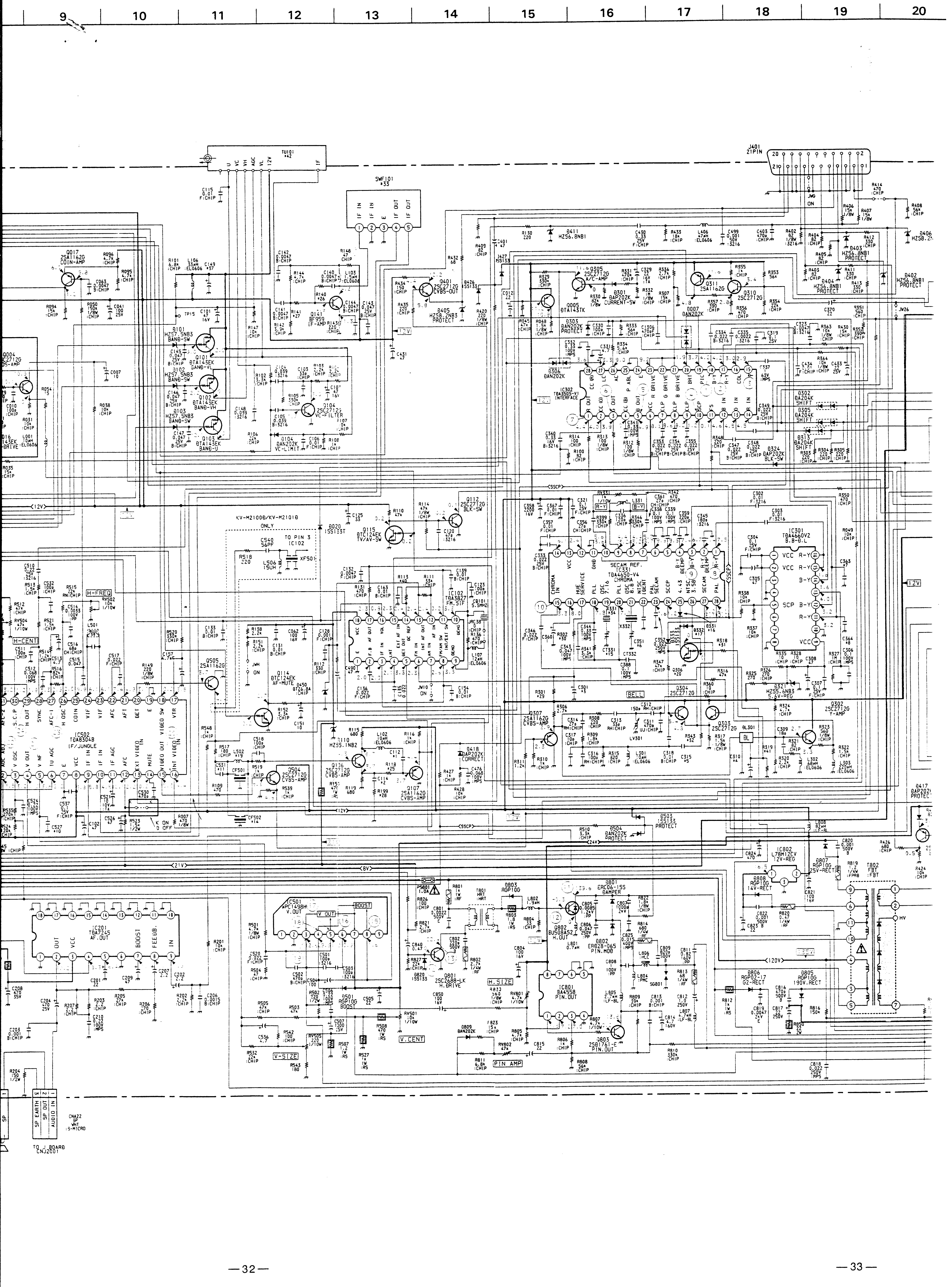
	M2100A	M2100E	M2101U
*1 C621	0.68uF	0.22uF	0.22uF
*2 C527	0.01uF	0.0047uF	0.0047uF
*3 C625	0..68uF	0.22uF	———
*4 C632	0.0047pF	———	0.0047uF
*5 C698	330pF	———	———
*6 L105	10uH	———	JUMPER
*7 R626	47K	———	———
*8 R627	47K	———	———
*9 T603	LFT	LFT	———
*10 C626	———	15pF	———
*11 C627	———	15pF	———
*12 TU101	BT-3C	BT-3C	BT-3C421
*13 XF501	5.5MHz	5.5MHz	6MHz
*14 C362	———	———	100pF
*15 R629	330	———	———
*16 CD101	5.5MHz	5.5MHz	6MHz

——— NOT MOUNTED

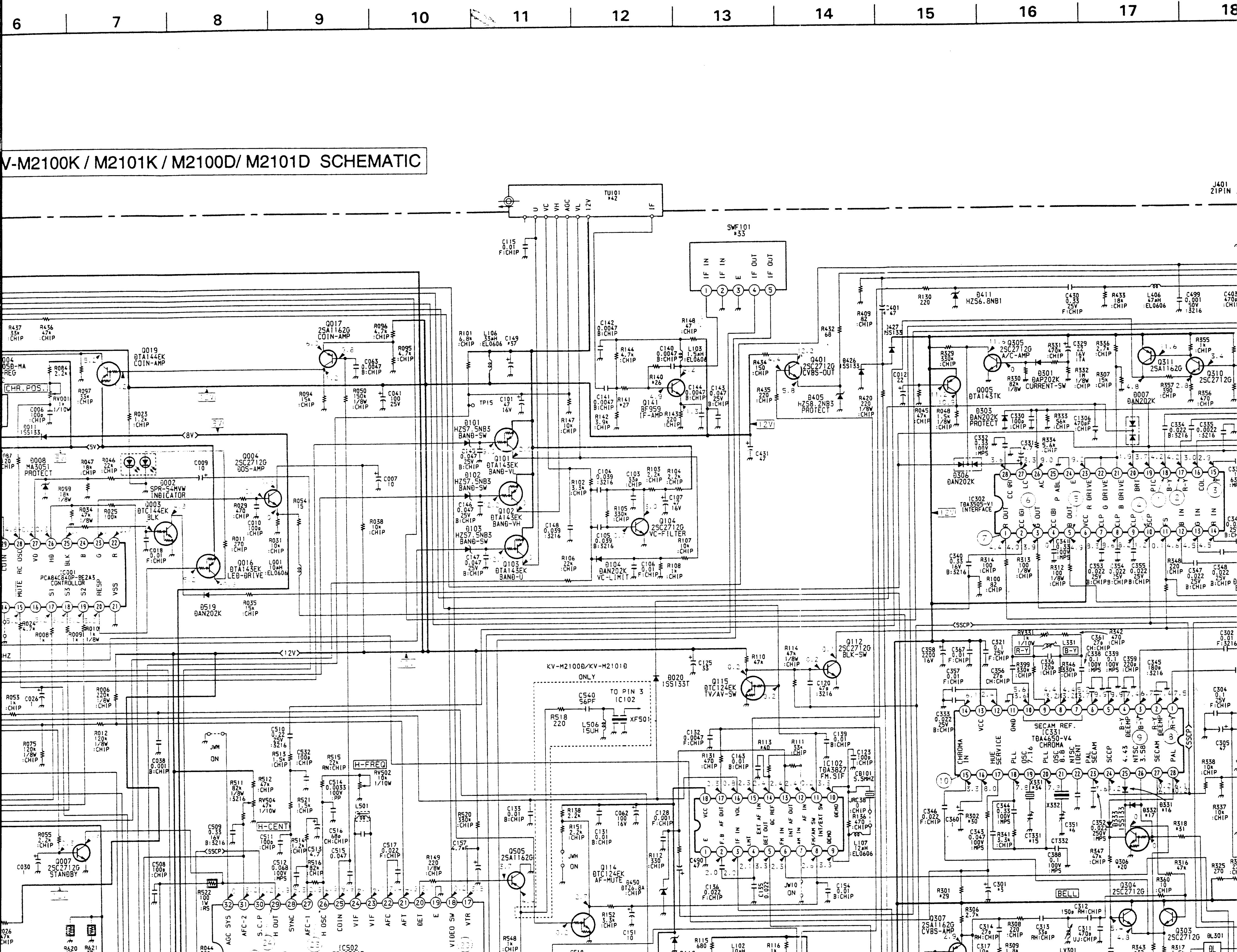
A BOARD WAVEFORMS

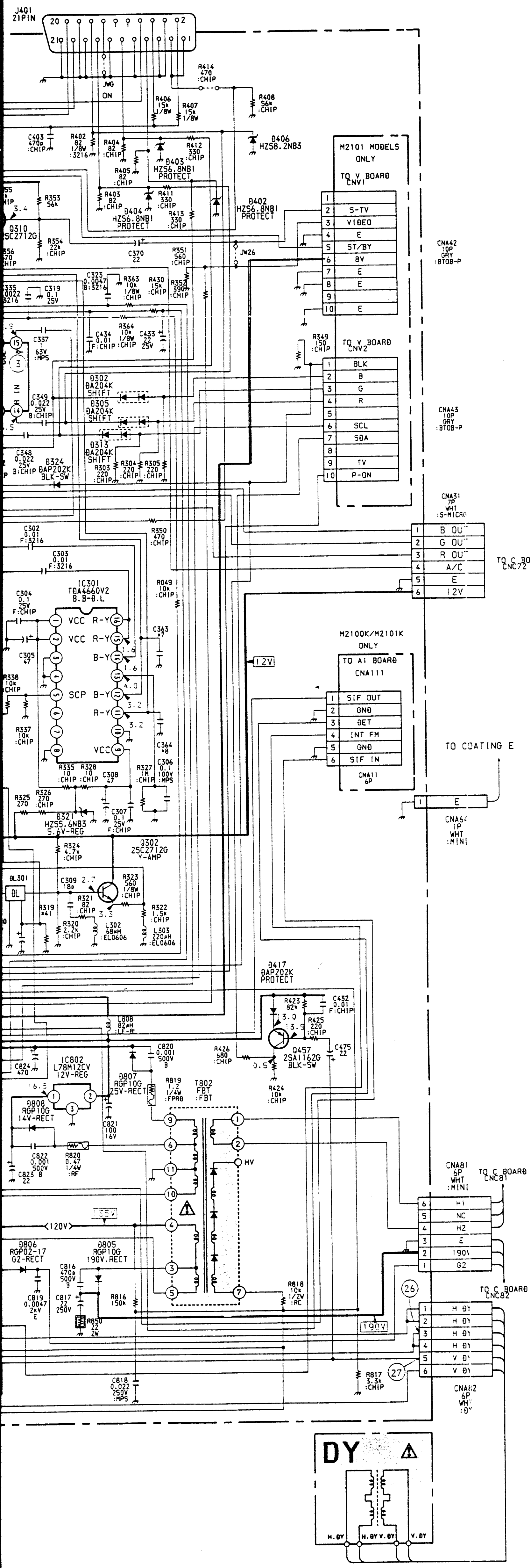



A
SYSTEM CONTROL
A/V OUT. H/V OUT
MEMORY. CHROMA
TO A1 BOARD CNA112
M2100K/M2101K ONLY
CNA12 2P
IC003 KEY-C005V RECEIVER
IC004 L78LR05D-MA 5V-REG
CHR. POS.
Q020 DTC124EK
Q019 DTA144EK COIN-AMP
Q017 2SA1162G COIN-AMP
Q004 2SC2712G OSS-AMP
D002 SPR-54MVW INDICATOR
Q003 DTC144EK BLK
Q016 DTA143EK LED-DRIVE
D519 DAN202K
IC001 PCA84C840P-8E2A3 CONTROLLOR
X001 10MHz
D008 MA3051 PROTECT
IC002 ST24C02CP MEMORY
Q001 2SC2712G STBY-AMP
D004 DAP202K VOL-CTL
Q015 2SC2712G PIC-ABL
D009 MA3051
IC005 HZT33-02RE 30V-REG
Q006 2SC2410S-TPN VC-AMP
Q007 2SC2712G STANDBY
S001 ANA +
S002 ANA SEL
S003 ANA -
CNA61 3P WHT :MINI
THP601
D601 KBU4JL-6088 AC.RECT
IC501 STR54041 115V-REG
D602 ES1F PLS-CLIP
D603 GP08D DC-STOP
D604 ERD28-06S 120V-RECT
D605 RGP10G 21V-RECT
D606 ERA81-004 8V-RECT
D607 RGP10G REF.RECT
D609 GP08D PROTECT
D610 GP08D PROTECT
D608 RGP10G DC-STOP
Q601 BC637-16 LIMITER
T601 SRT
T603 LFT
T605 LFT
T604
S601
F601 4.0H
D611 RZK PROTECT
CNA62 4P WHT :VT
NC NC AC IN AC IN
AC IN 220V 50HZ
KV-M2100D/KV-M2101D ONLY
IC102
C134 0.0082MF
C130 0.33MF
IC502 TDA8304B IF/JUNGLE
H-CENT
AGC
JWM ON
CNA21 2P GRY :MICRO
CNA22 5P WHT :S-MICRO
TO J BOARD CNJ2001
(5V) (8V) (12V) (21V)
1 2 3 4 5 6 7 8 9
A B C D E F G H I J K L M N O P

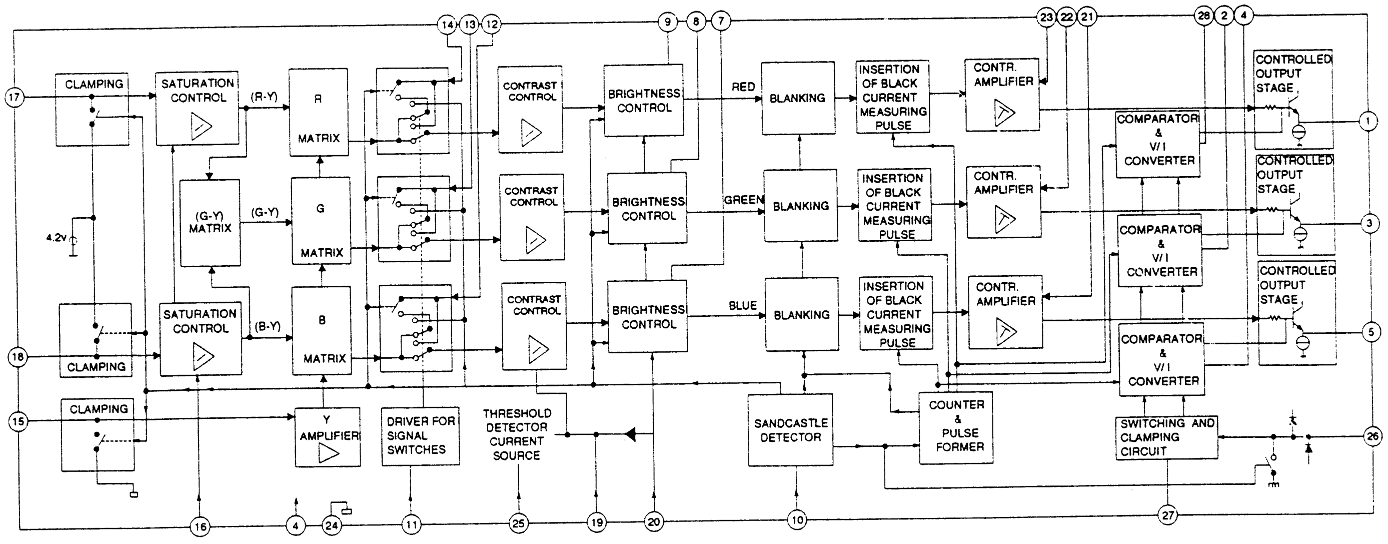

9
10
11
12
13
14
15
16
17
18
19
20
TU101 *42
J401 21PIN
SWF101 *33
Q017 2SA1162G COIN-AMP
Q101 DTA143EK BAND-VL
Q102 DTA143EK BAND-VH
Q103 DTA143EK BAND-U
Q104 2SC2712G VC-FILTER
Q141 BF959 IF-AMP
Q401 2SC2712G CVBS-OUT
Q405 HZS8.2NB3 PROTECT
Q305 2SC2712G A/C-AMP
Q311 2SA1162G
Q310 2SC2712G
Q301 DAP202K CURRENT-SW
Q305 DTA143TK
Q306 DAN202K
Q307 DAN202K
Q303 DAN202K PROTECT
IC302 TDA3505-V1 INTERFACE
Q324 DAP202K BLK-SW
Q411 HZS6.8NB1
Q403 HZS6.8NB1 PROTECT
Q404 HZS6.8NB1 PROTECT
Q402 HZS6.8NB1 PROTECT
Q406 HZS8.2
Q112 2SC2712G BLK-SW
Q115 DTC124EK TV/AV-SW
Q020 1SS133T
KV-M2100D/KV-M2101D ONLY
TO PIN 3 IC102
XF501
IC102 TDA3827 FM.SIF
Q114 DTC124EK AF-MUTE
Q110 HZS5.1NB2
Q106 2SC2712G CVBS-AMP
Q107 2SA1162G CVBS-AMP
Q505 2SA1162G
Q504 2SC2712G CVBS-AMP
IC502 TDA8304B IF/JUNGLE
H-FREQ
H-CENT
IC331 TDA4650-V4 CHROMA
SECAM REF.
IC301 TDA4660V2 B.B-D.L
Q302 BA204K SHIFT
Q305 BA204K SHIFT
Q313 BA204K SHIFT
Q321 HZS5.6NB3 5.6V-REG
Q302 2SC2712G Y-AMP
Q304 2SC2712G
Q303 2SC2712G
Q307 2SA1162G CVBS-AMP
BELL
Q418 DAP202K CORRECT
Q503 1SS133 PROTECT
Q504 DAN202K PROTECT
Q417 DAP202 PROTEC
IC802 L78M12CV 12V-REG
Q807 RGP10G 25V-RECT
Q808 RGP10G 14V-RECT
T802 FBT :FBT
HV
Q806 RGP02-17 G2-RECT
Q805 RGP10G 190V.RECT
IC201 TDA7245 AF.OUT
IC501 μPC1498H V.OUT
V OUT
BOOST
Q501 RGP10G BOOST
V-SIZE
V.CENT
PS801 1.0A
T801 HRT
Q803 RGP10G
Q801 ERC06-15S DAMPER
Q802 BU508AS2 H.OUT
Q820 1SS133
Q801 2SC2688-LK H.DRIVE
H.SIZE
IC801 BA4558 PIN.OUT
Q802 ER028-06S PIN.MOD
Q803 2SD1761-E PIN.OUT
Q809 BAN202K
PIN AMP
SG801
<12V>
<21V>
<8V>
<24V>
<120V>
<SSCP>
SP EARTH
SP OUT
AUDIO IN
CNA22 3P WHT :S-MICRO
TO J BOARD CNJ2001

V-M2100K / M2101K / M2100D/ M2101D SCHEMATIC

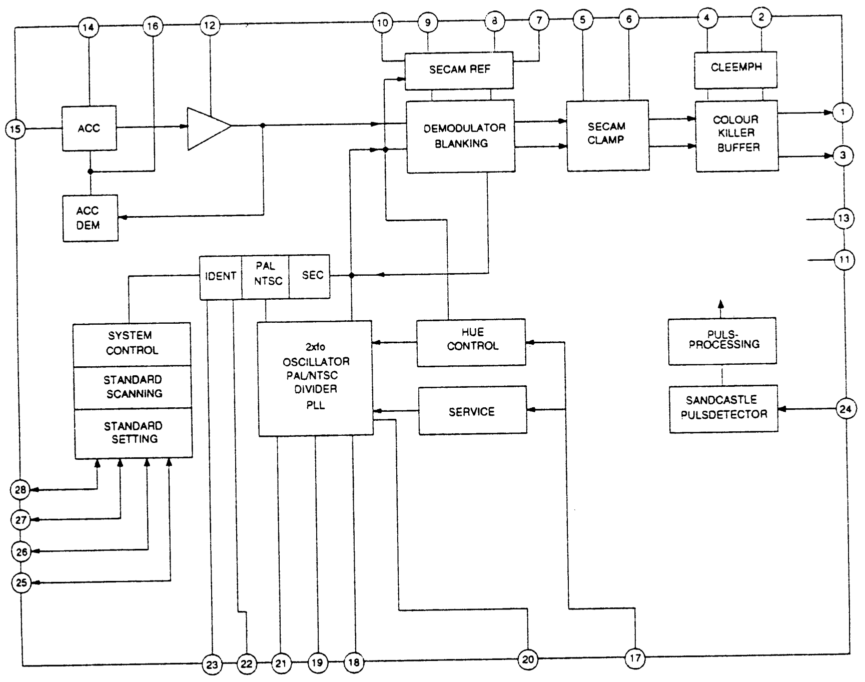

6
7
8
9
10
11
12
13
14
15
16
17
18
TU101 *42
J401 21PIN
SWF101 *33
IF IN
IF IN
E
IF OUT
IF OUT
Q017 2SA1162G COIN-AMP
Q019 DTA144EK COIN-AMP
CHR.POS.
Q008 MA3051 PROTECT
D002 SPR-54MVW INDICATOR
Q003 DTC144EK BLK
Q004 2SC2712G OOS-AMP
Q016 DTA143EK LED-DRIVE
IC001 PCA84C84OP-BE2A3 CONTROLLOR
D519 DAN202K
Q101 DTA143EK BANG-VL
Q102 DTA143EK BANG-VH
Q103 DTA143EK BANG-U
D101 HZS7.5NB3 BAND-SW
D102 HZS7.5NB3 BAND-SW
D103 HZS7.5NB3 BAND-SW
Q141 BF959 IF-AMP
Q104 2SC2712G VC-FILTER
D104 DAN202K VC-LIMIT
Q401 2SC2712G CVBS-OUT
D405 HZS8.2NB3 PROTECT
D411 HZS6.8NB1
Q305 2SC2712G A/C-AMP
D301 DAP202K CURRENT-SW
Q005 DTA143TK
D303 DAN202K PROTECT
Q311 2SA1162G
Q510 2SC2712G
D007 DAN202K
D306 DAN202K
IC302 TDA3505-V1 INTERFACE
Q007 2SC2712G STANDBY
KV-M2100D/KV-M2101D ONLY
TO PIN 3 IC102
XF501
D020 1SS133T
Q115 DTC124EK TV/AV-SW
Q112 2SC2712G BLK-SW
IC102 TDA3827 FM.SIF
CB101 5.5MHZ
IC331 TBA4650-V4 CHROMA
SECAM REF.
H-FREQ
H-CENT
AGC
IC502 TDA8304B IF/JUNGLE
Q505 2SA1162G
Q114 DTC124EK AF-MUTE
Q504 2SC2712G CVBS-AMP
D110 HZS5.1NB2
Q106 2SC2712G CVBS-AMP
Q107 2SA1162G CVBS-AMP
D418 DAP202K CORRECT
Q307 2SA1162G CVBS-AMP
Q304 2SC2712G
Q303 2SC2712G
BELL
D503 1SS133 PROTECT
D504 DAN202K PROTECT
T601 SRT
D604 ERB28-06S 12V-RECT
D605 RGP10G 21V-RECT
D606 ERA81-004 8V-RECT
D611 RGP10G PROTECT
IC201 TDA7245 AF.OUT
IC501 uPC1498H V.OUT
BOOST
V-SIZE
D501 RGP10G BOOST
PS801 1.0A
T801 HRT
D803 RGP10G
Q802 BU508AS2 H.OUT
D801 ERC06-15S DAMPER
D802 ERB28-06S PIN.MOD
Q801 2SC2688-LK H.DRIVE
H.SIZE
V.CENT
IC801 BA4558 PIN.OUT
Q803 2SD1761-E PIN.OUT
PIN AMP
D809 DAN202K
CNA21 2P GRY :MICRO
CNA22 3P WHT :S-MICRO
SP EARTH
SP OUT
AUDIO IN
TO J BOARD CNJ2001


J401
21PIN
JWG
ON
M2101 MODELS ONLY
TO V BOARD CNV1
S-TV
VIDEO
ST/BY
8V
CNA42 10P GRY :BTOB-P
TO V BOARD CNV2
BLK
SCL
SDA
TV
P-ON
CNA43 10P GRY :BTOB-P
CNA31 7P WHT :S-MICRO
B OUT
G OUT
R OUT
A/C
12V
TO C BOARD CNC72
IC301 TDA4660V2 B.B-B.L
VCC R-Y
VCC B-Y
SCP B-Y
R-Y
VCC
M2100K/M2101K ONLY
TO A1 BOARD CNA111
SIF OUT
GND
DET
INT FM
GND
SIF IN
CNA11 6P
TO COATING E
CNA64 1P WHT :MINI
Q302 2SC2712G Y-AMP
Q321 HZS5.6NB3 5.6V-REG
D417 BAP202K PROTECT
Q457 2SA1162G BLK-SW
IC802 L78M12CV 12V-REG
D807 RGP10G 25V-RECT
T802 FBT :FBT
D808 RGP10G 14V-RECT
D806 RGP02-17 G2-RECT
D805 RGP10G 190V.RECT
HV
120V
125V
190V
CNA81 6P WHT :MINI
TO C BOARD CNC81
H1
NC
H2
E
190V
G2
TO C BOARD CNC82
H DY
V DY
CNA82 6P WHT :BV
DY
H.DY
H.DY V.DY
V.DY
D406 HZS8.2NB3
D402 HZS6.8NB1 PROTECT
D403 HZS6.8NB1 PROTECT
D404 HZS6.8NB1 PROTECT
Q302 BA204K SHIFT
Q305 BA204K SHIFT
Q313 BA204K SHIFT
Q324 BAP202K BLK-SW
Q310 2SC2712G
12V

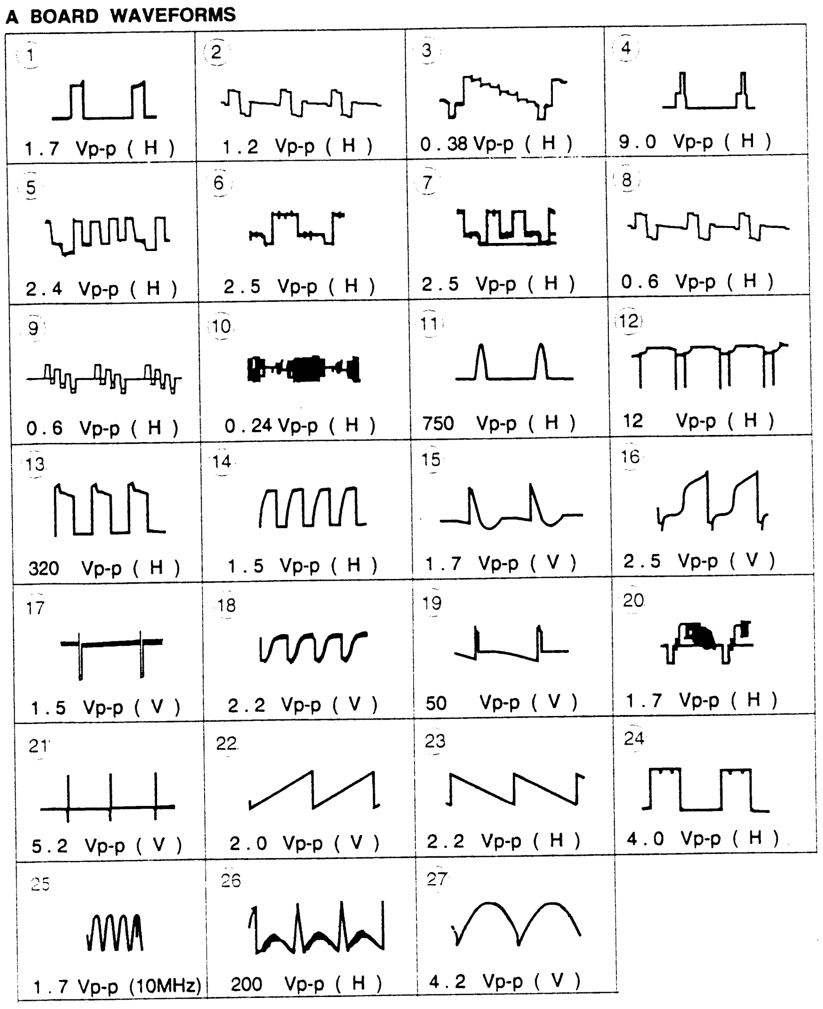
A Board IC302 TDA3505-V1


CLAMPING
SATURATION CONTROL
(R-Y)
R MATRIX
(G-Y) MATRIX
(G-Y)
G MATRIX
(B-Y)
B MATRIX
4.2V
CONTRAST CONTROL
BRIGHTNESS CONTROL
RED
GREEN
BLUE
BLANKING
INSERTION OF BLACK CURRENT MEASURING PULSE
CONTR. AMPLIFIER
COMPARATOR & V/I CONVERTER
CONTROLLED OUTPUT STAGE
Y AMPLIFIER
DRIVER FOR SIGNAL SWITCHES
THRESHOLD DETECTOR CURRENT SOURCE
SANDCASTLE DETECTOR
COUNTER & PULSE FORMER
SWITCHING AND CLAMPING CIRCUIT
14
13
12
9
8
7
23
22
21
28
2
4
17
18
15
16
4
24
11
25
19
20
10
27
1
3
5
26

A Board IC331 TDA4650-V4


ACC
ACC DEM
SECAM REF
DEMODULATOR BLANKING
SECAM CLAMP
CLEEMPH
COLOUR KILLER BUFFER
IDENT
PAL NTSC
SEC
SYSTEM CONTROL
STANDARD SCANNING
STANDARD SETTING
2xfo OSCILLATOR PAL/NTSC DIVIDER PLL
HUE CONTROL
SERVICE
PULS-PROCESSING
SANDCASTLE PULSDETECTOR
14
16
12
10
9
8
7
5
6
4
2
15
1
3
13
11
24
28
27
26
25
23
22
21
19
18
20
17

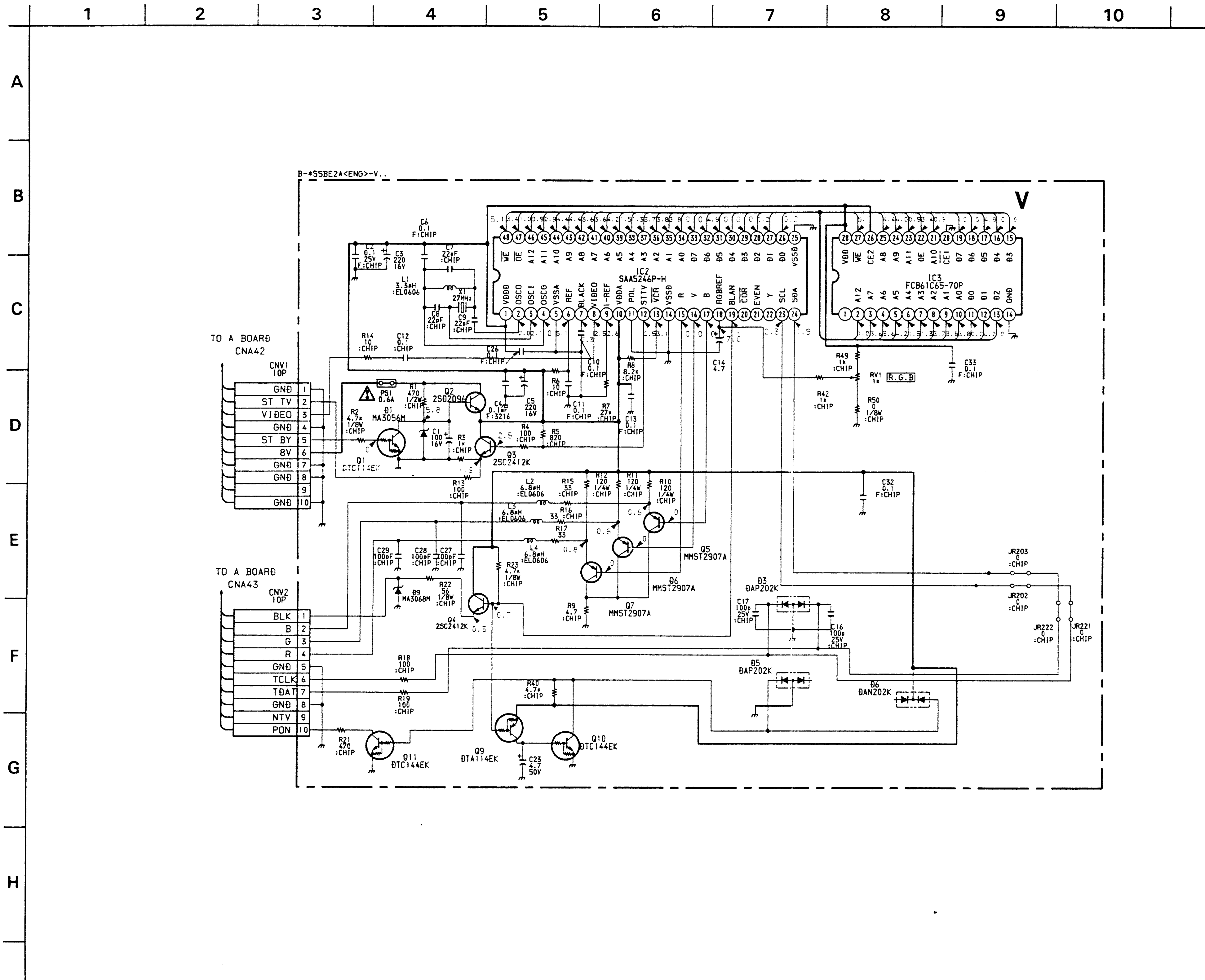
A BOARD WAVEFORMS



A Board
* Mark List

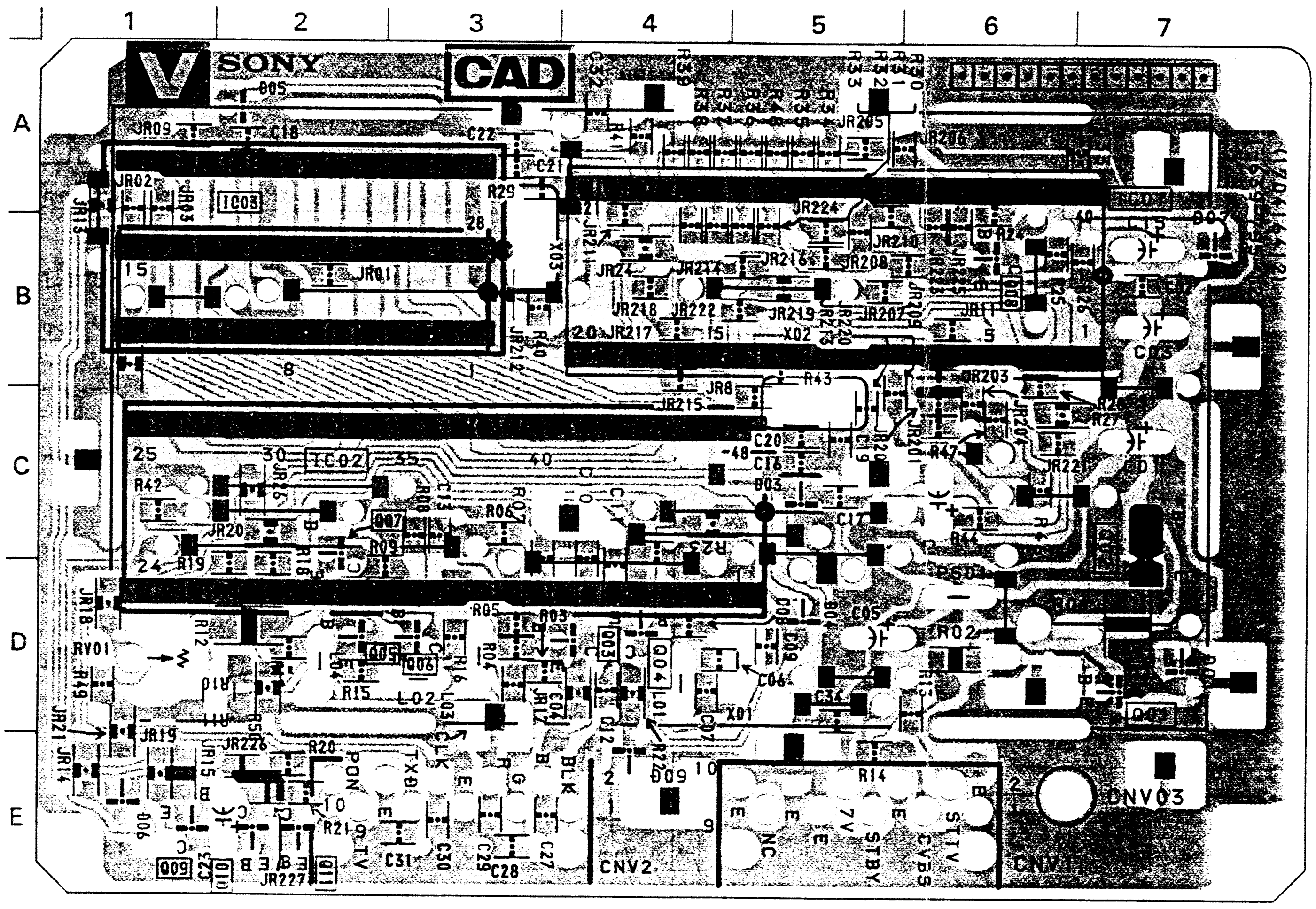
		M2100/2101K	M2100/2101D
*1	C112	47pF	220pF
*2	C114	330pF	47pF
*3	C301	10MF	——
*4	C310	33MF	JUMPER
*5	C315	68pF	——
*6	C351	0.022MF	——
*7	C363	680pF	——
*8	C364	680pF	——
*9	C022	100pF	——
*10	C527	10MF	——
*11	C531	——	68pF
*12	C626	15pF	——
*13	C627	15pF	——
*14	CF502	TRAP 6.5Mhz	——
*15	CT331	CAP ADJ	JUMPER
*16	D331	1SS119	——
*17	D332	1SS119	——
*18	L111	10uH	——
*19	L502	4.7uH	8.2uH
*20	Q306	DTC124EK	——
*21	R070	1.8K	——
*22	R071	3.9K	——
*23	R086	4.7K	——
*24	R089	3.9K	——
*25	R118	330	270
*26	R140	330	680
*27	R141	68	150
*28	R199	150	2.2K
*29	R301	15K	
*30	R302	220	——
*31	R318	47K	——
*32	R343	180	——
*33	SWF101	K2950	G1963
*34	X331	OSCILLATOR	JUMPER
*35	C621	0.22MF	0.68MF
*36	C698	——	330pF
*37	C149	100MF	330MF
*38	C625	0.22MF	0.68MF
*39	R629	——	330
*40	R113	15K	33K
*41	R319	47K	——
*42	TU101	BT-3C	BT-3C 421

—— NOT MOUNTED



1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
B-*SSBE2A<ENG>-V..
V
IC2
SAA5246P-H
IC3
FCB61C65-70P
TO A BOARD
CNA42
CNV1
10P
GND
ST TV
VIDEO
GND
ST BY
8V
GND
GND
GND
TO A BOARD
CNA43
CNV2
10P
BLK
B
G
R
GND
TCLK
TDAT
GND
NTV
PON
PS1
0.6A
Q1
DTC114EK
Q2
2SD2094
Q3
2SC2412K
Q4
2SC2412K
Q5
MMST2907A
Q6
MMST2907A
Q7
MMST2907A
Q9
DTA114EK
Q10
DTC144EK
Q11
DTC144EK
D1
MA3056M
D3
DAP202K
D5
DAP202K
D6
DAN202K
D9
MA3068M
X1
27MHz
L1
3.3μH
RV1
R.G.B
JR202
JR203
JR221
JR222

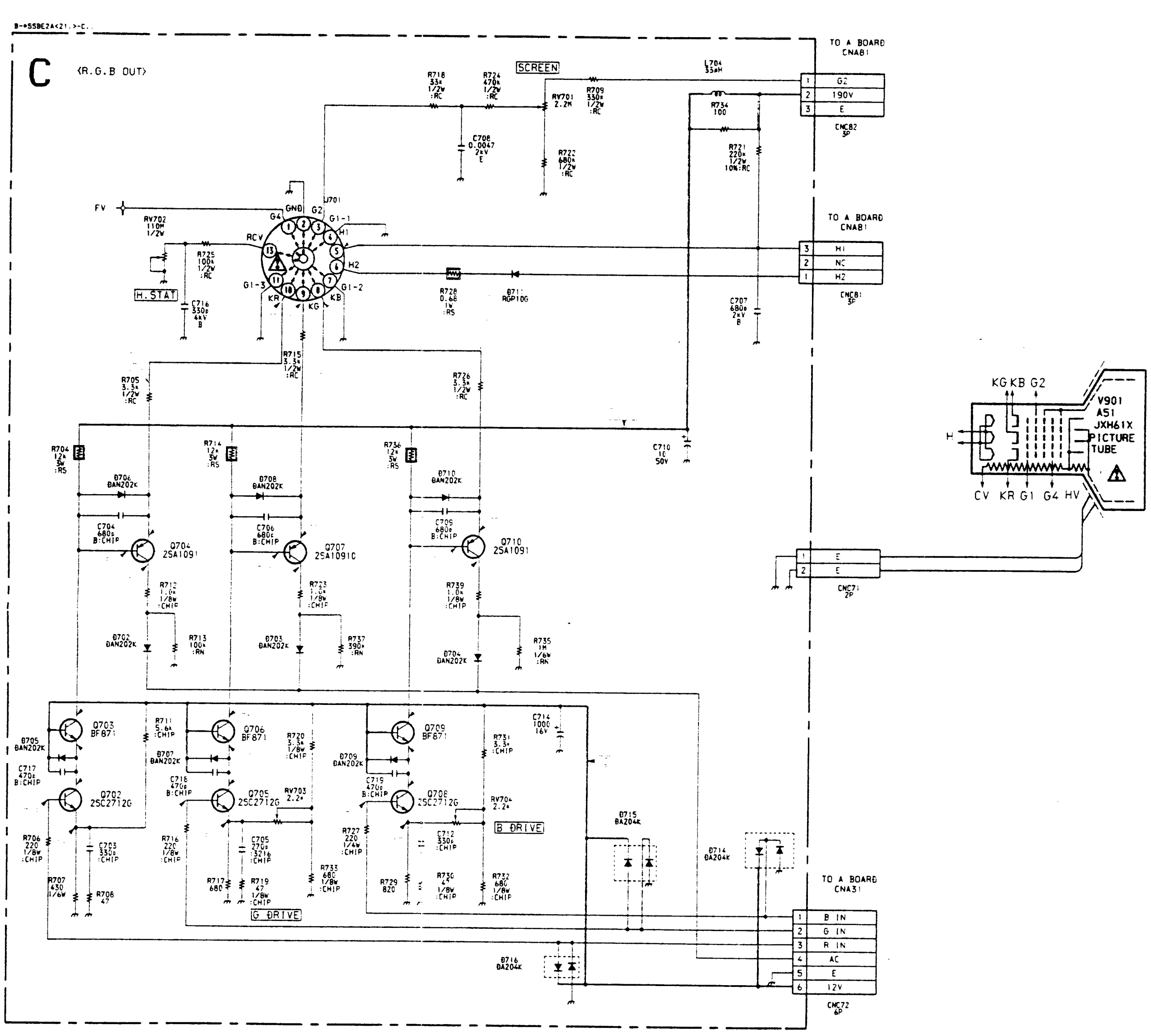
- V Board -

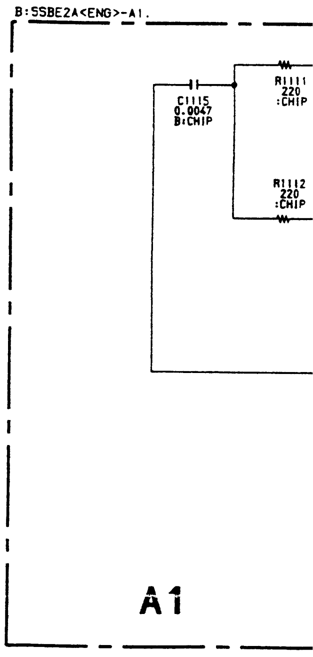


1
2
3
4
5
6
7
A
B
C
D
E
V
SONY
CAD
IC03
IC02
CNV1
CNV2
DNV03
RV01
X01
X02

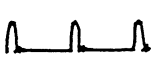
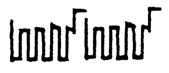
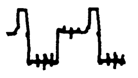
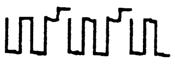
C R, G, B OUT

J1 JACK

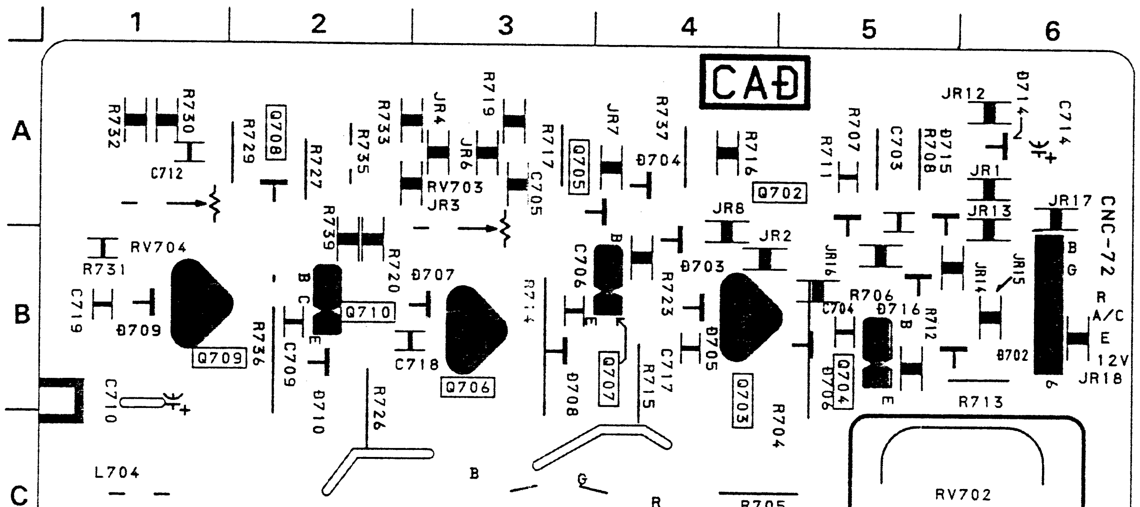

C (R.G.B OUT)
SCREEN
TO A BOARD CNA81
G2
190V
E
CNC82 3P
TO A BOARD CNA81
H1
NC
H2
CNC81 3P
J701
G1-1
G1-2
G1-3
GND
G2
G4
RCV
KR
KG
KB
H1
H2
FV
RV702
H.STAT
RV701 2.2M
L704 33uH
R734 100
C708 0.0047 2kV
C707 680p 2kV
C716 330p 4kV
C710 1 50V
R728 0.68 1W
D711 RGP10G
Q704 2SA1091
Q707 2SA1091C
Q710 2SA1091
Q703 BF871
Q706 BF871
Q709 BF871
Q702 2SC2712G
Q705 2SC2712G
Q708 2SC2712G
D715 BA204K
D714 BA204K
D716 BA204K
G DRIVE
B DRIVE
RV703 2.2k
RV704 2.2k
TO A BOARD CNA31
B IN
G IN
R IN
AC
E
12V
CNC72 6P
CNC71 2P
KG KB G2
V901 A51 JXH61X PICTURE TUBE
CV KR G1 G4 HV


B:SSBE2A<ENG>-A1.
C1115 0.0047 B:CHIP
R1111 220 :CHIP
R1112 220 :CHIP
A1

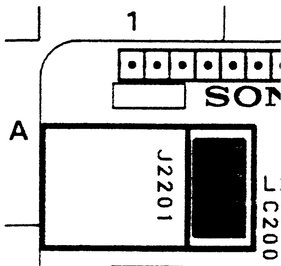
C BOARD WAVEFORMS

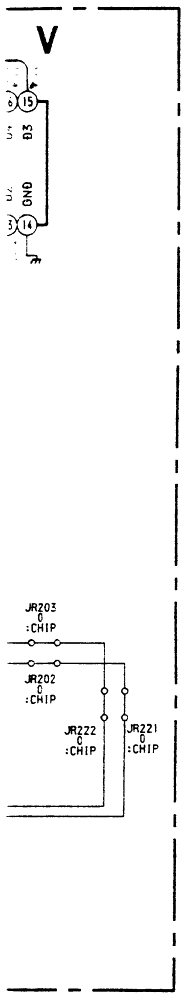
①  25 Vp-p (H)	②  68 Vp-p (H)	③  70 Vp-p (H)
④  76 Vp-p (H)		

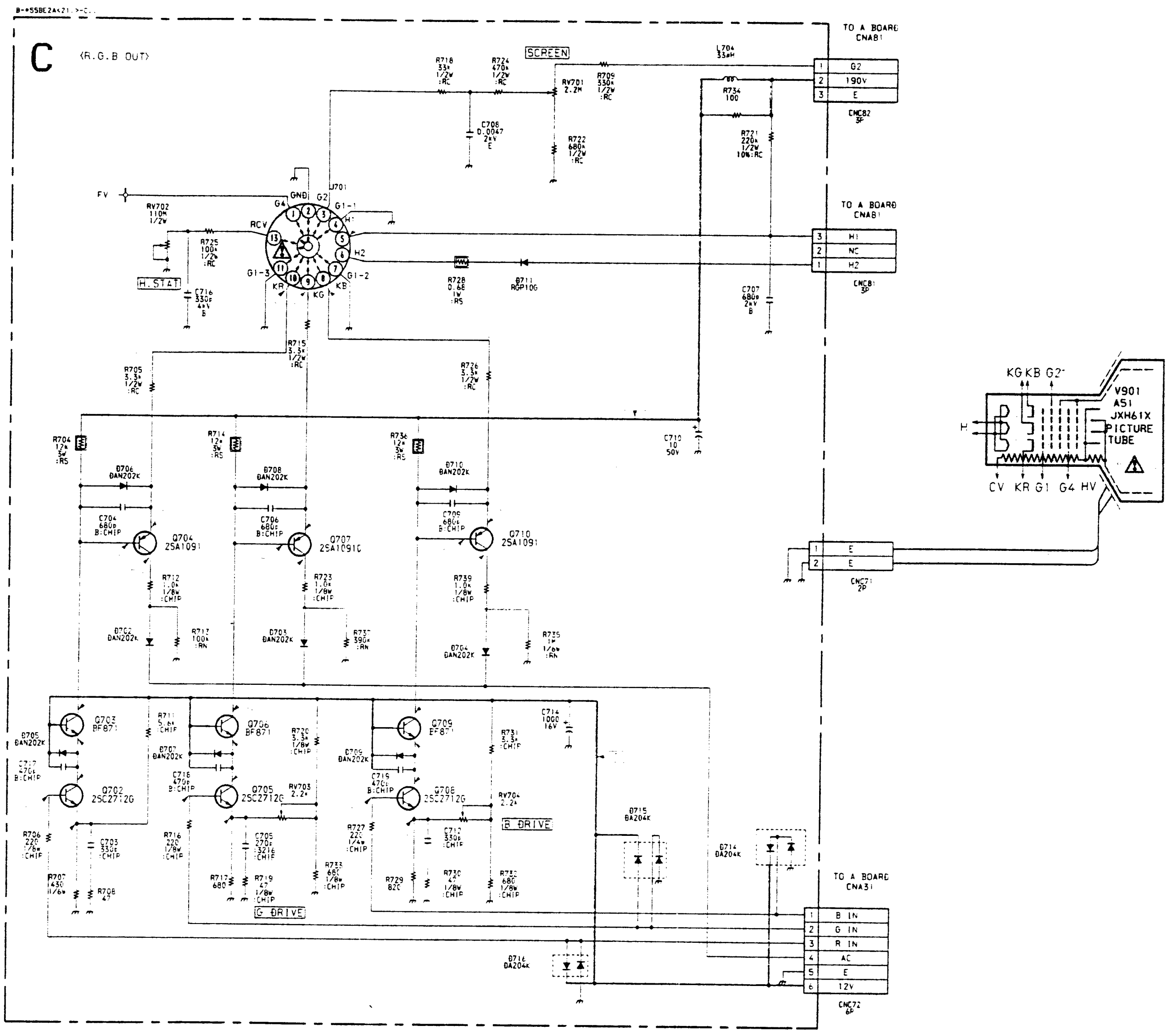
- C Board -


1
2
3
4
5
6
A
B
C
D
E
CAD
RV704
RV703
RV702
RV701
Q702
Q703
Q704
Q705
Q706
Q707
Q708
Q709
Q710
J701
L704
CNC-72
CNC-82
CNC-81
CNC-71
200V
12V
1-638-166-12
(1-704-077-12)
SONY
C

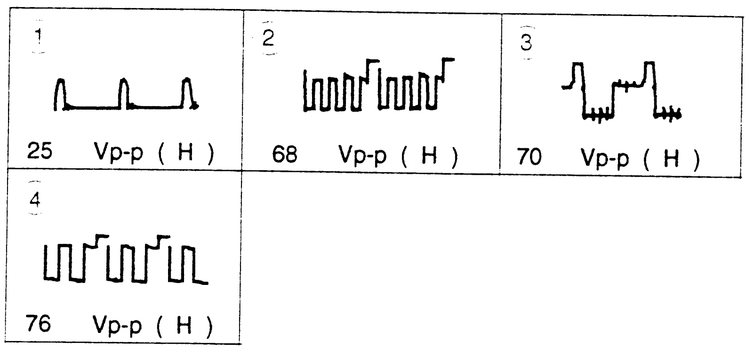
- J1 Board -


1
A
B
J2201
C2001
1-638-
(1-704-077
SON

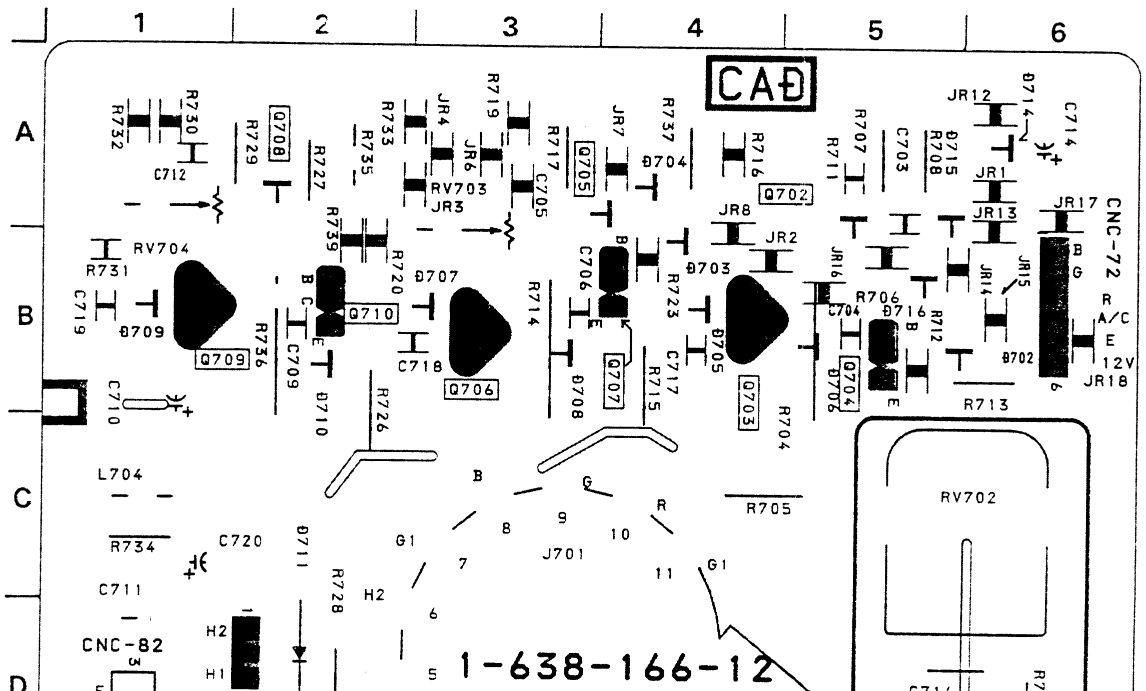

V
G3
GND
JR203 :CHIP
JR202 :CHIP
JR222 :CHIP
JR221 :CHIP

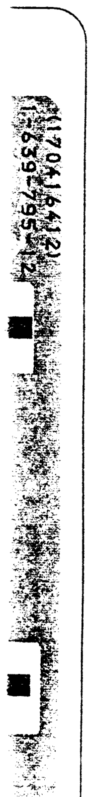

C (R.G.B OUT)
SCREEN
TO A BOARD CNA81
G2
190V
E
CNC82
TO A BOARD CNA81
H1
NC
H2
CNC81
H. STAT
RV702
RV701
J701
G1-1
G1-2
G1-3
G4
GND
G2
RCV
H1
H2
KR
KG
KB
Q704 2SA1091
Q707 2SA1091C
Q710 2SA1091
Q703 BF871
Q706 BF871
Q709 BF871
Q702 2SC2712G
Q705 2SC2712G
Q708 2SC2712G
R DRIVE
G DRIVE
TO A BOARD CNA31
B IN
G IN
R IN
AC
E
12V
CNC72
KG KB G2
V901
A51
JXH61X
PICTURE TUBE
H
CV KR G1 G4 HV
E
E
CNC71

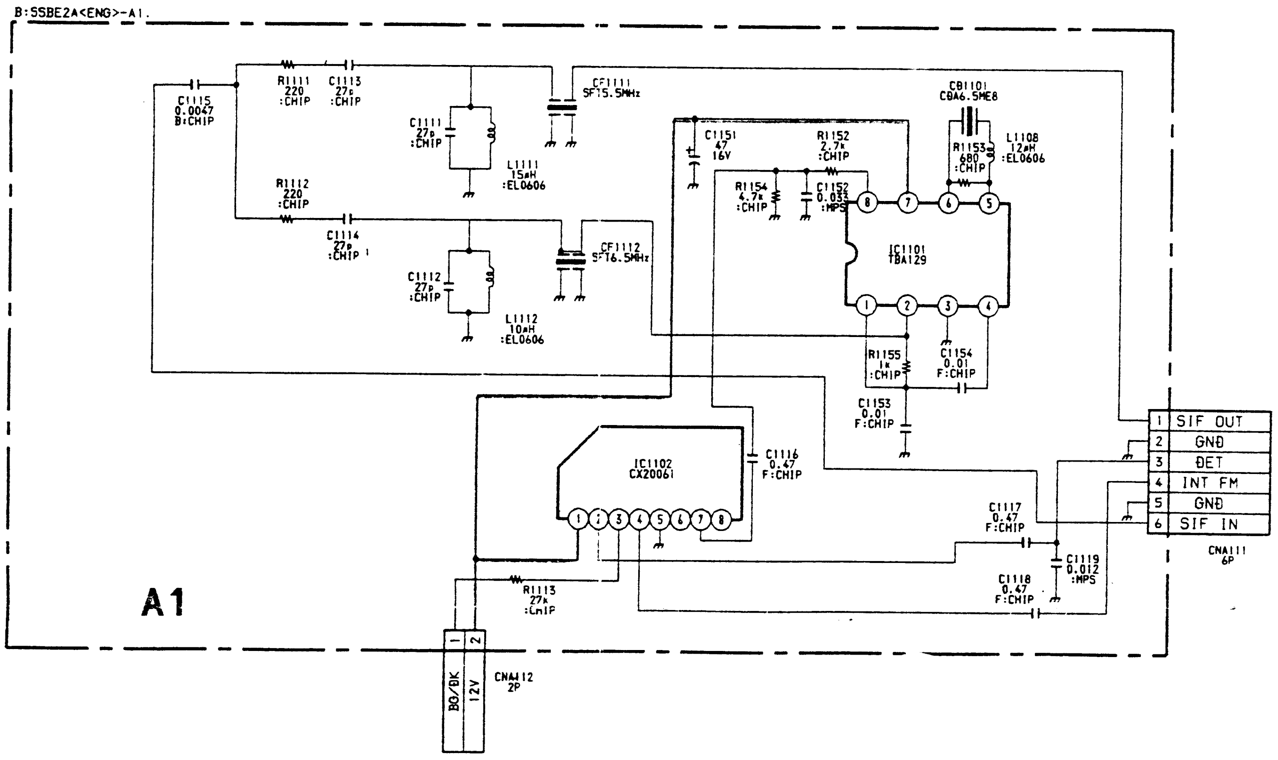
C BOARD WAVEFORMS

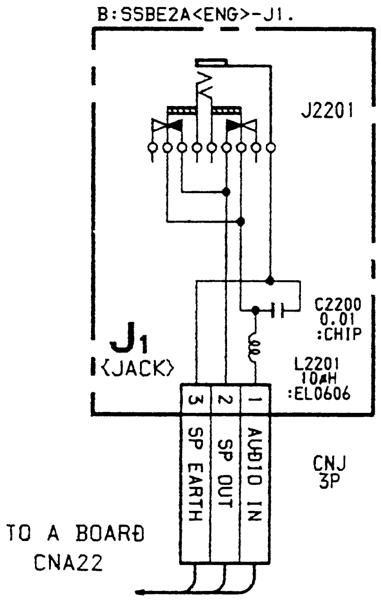


- C Board -

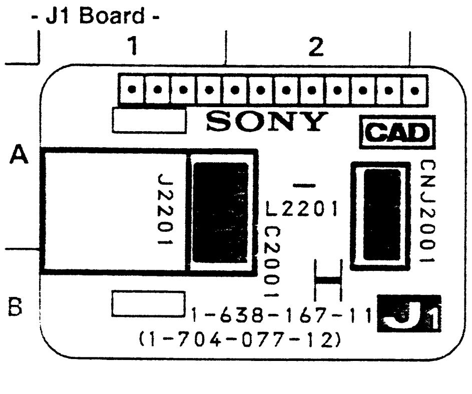

1
2
3
4
5
6
A
B
C
D
E
CAD
R732
R730
C712
R729
Q708
R727
R733
R735
JR4
JR6
RV703
JR3
R719
R717
C705
Q705
JR7
R737
R716
Q704
Q702
R711
R707
C703
Q715
R708
JR12
Q714
C714
JR1
JR13
JR17
CNC-72
RV704
R731
C719
Q709
Q709
R739
R720
Q707
Q710
C709
R736
C718
Q710
Q706
R714
C706
R723
Q703
Q707
C717
Q705
Q703
R715
R704
JR8
JR2
JR16
R706
C704
Q716
R712
JR14
JR15
Q704
Q706
Q702
R713
B
G
R
A/C
E
12V
JR18
C710
R726
L704
R734
C720
C711
Q711
R728
J701
R705
RV702
CNC-82
E
200V
H2
H1
CNC-81
R722
R709
G2
R721
1-638-166-12
(1-704-077-12)
SONY
C716
R725
RV701
C707
R718
C708
R724
CNC-71
C



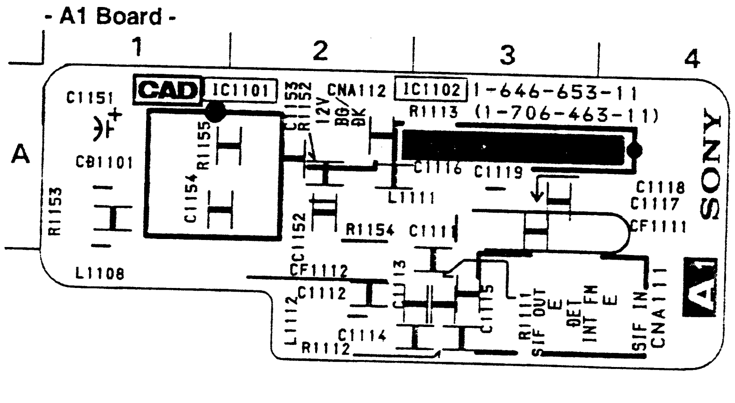

B:SSBE2A<ENG>-A1.
C1115 0.0047 B:CHIP
R1111 220 :CHIP
C1113 27p :CHIP
C1111 27p :CHIP
L1111 15μH :EL0606
CF1111 SFT5.5MHz
R1112 220 :CHIP
C1114 27p :CHIP
C1112 27p :CHIP
L1112 10μH :EL0606
CF1112 SFT6.5MHz
C1151 47 16V
R1152 2.7k :CHIP
R1154 4.7k :CHIP
C1152 0.033 :MPS
CB1101 CDA6.5ME8
R1153 680 :CHIP
L1108 12μH :EL0606
IC1101 TBA129
R1155 1k :CHIP
C1154 0.01 F:CHIP
C1153 0.01 F:CHIP
IC1102 CX20061
C1116 0.47 F:CHIP
C1117 0.47 F:CHIP
C1119 0.012 :MPS
C1118 0.47 F:CHIP
R1113 27k :CHIP
1 SIF OUT
2 GND
3 DET
4 INT FM
5 GND
6 SIF IN
CNA111 6P
A1
1 BO/BK
2 12V
CNA112 2P


B:SSBE2A<ENG>-J1.
J2201
C2200 0.01 :CHIP
L2201 10μH :EL0606
J1 (JACK)
1 AUDIO IN
2 SP OUT
3 SP EARTH
CNJ 3P
TO A BOARD CNA22

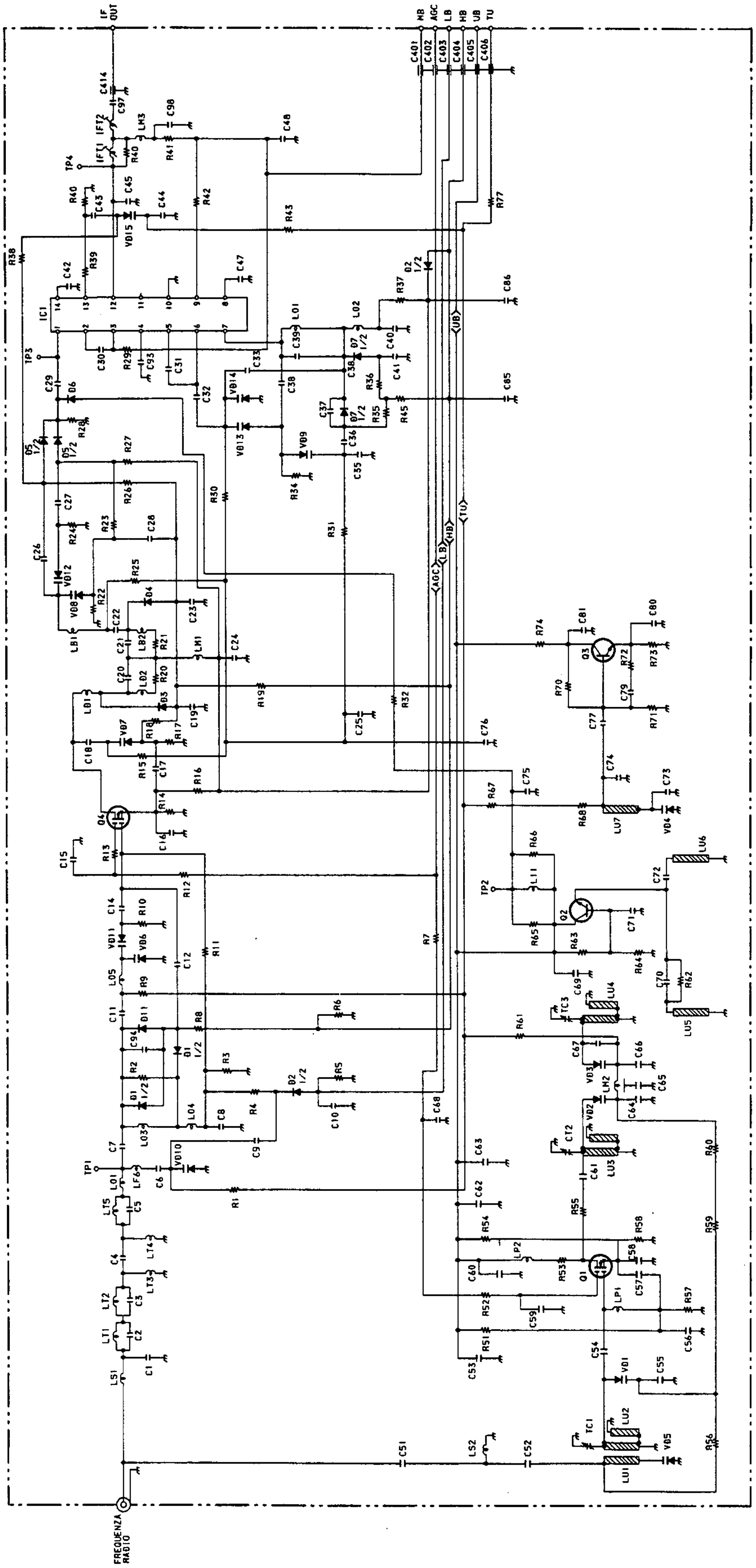
- J1 Board -


1
2
A
B
SONY
CAD
J2201
L2201
C2001
CNJ2001
1-638-167-11
(1-704-077-12)
J1

- A1 Board -

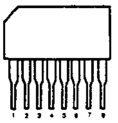

1
2
3
4
A
C1151
CAD
IC1101
C1153
R1152
12V
BO BK
CNA112
IC1102
1-646-653-11
R1113 (1-706-463-11)
CB1101
R1155
C1154
C1116
C1119
C1118
C1117
CF1111
R1153
C1152
L1111
R1154
C1111
L1108
CF1112
C1112
C1113
C1115
L1112
C1114
R1112
R1111
SIF OUT
E
DET
INT FM
E
SIF IN
CNA111
SONY
A1

SCHEMA ELETTRICO DEL GRUPPO ALTA FREQUENZA TERE1-054A (BT-3C 301)

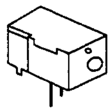

IF OUT
MB
AGC
LB
HB
UB
TU
C401
C402
C403
C404
C405
C406
TP1
TP2
TP3
TP4
IC1
Q1
Q2
Q3
Q4
FREQUENZA RADIO
LS1
LS2
LU1
LU2
LU3
LU4
LU5
LU6
LU7
TC1
TC2
TC3
IFT1
IFT2
C414
C51
C52
R77
(AGC)
(LB)
(HB)
(TU)
(UB)

5-4. SEMICONDUCTORS

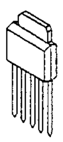
CX20061



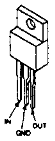
KEY-C00SV-F



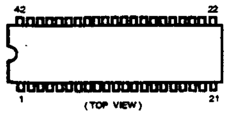
L78LR05D-MA



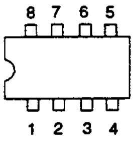
L78M12CV
M5F78M12L



PCA84C840P-016

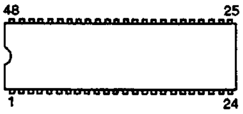

42
22
1
(TOP VIEW)
21

RC4558P
ST24C02CP
TBA129



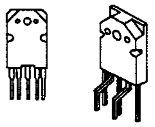
(Top view)

SAA5246P/E

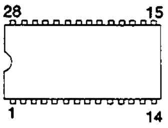


(Top view)

STR54041

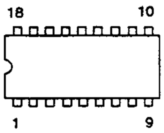


TDA3505-V1
FCB61C65-70P
TDA4650-V4
CXK5864BP-10L



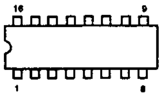
(Top view)

TDA3827-V3
TDA7245

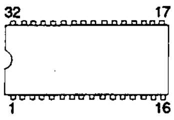


(Top view)

TDA4661V2
TDA4510/V8

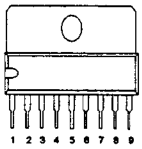

16
9
1
8
(TOP VIEW)

TDA8304

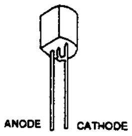


(Top view)

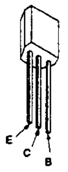
UPC1498H



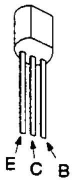
UPC574J


ANODE
CATHODE

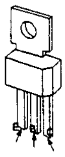
BC637-16



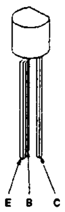
2SA1091-0



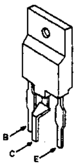
BF871



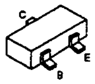
BF959-AMMO



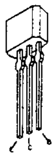
BU508AS2



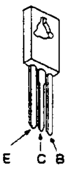
DTA114EK
DTA143EK
DTA143TK
DTA144EK
DTC114EK
DTC124EK
DTC144EK
MMST2907A
2SA1037K
2SA1162G
2SB1295-UL6
2SC1623-L5L6
2SB1295-UL6
2SC2412K
2SC2712YG



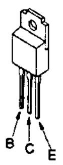
2SC2410SN



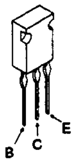
2SC2688-LK



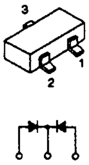
2SD1408-Y
2SD1761-E



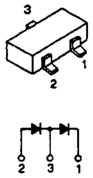
2SD2096-EF



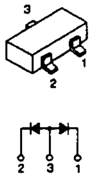
DAN202K
MA152WK



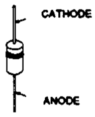
DA204K
1SS226



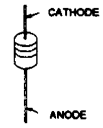
DAP202K
1S2836



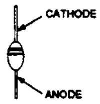
UZ-5.1BSB
RGP02-17
RGP10G
RU-3AM
ERC06-15S
R2K
RD7.5ES-B2


CATHODE
ANODE

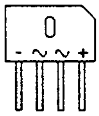
ERA83-006
RD5.1ES-B2
RD5.6ES-B2
RD6.8ES-B2
RD8.2ES-B3
1SS119
HZS5.1NB2
HZS7.5NB3
HZS8.2NB3


CATHODE
ANODE

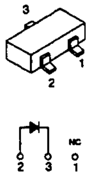
GP08D
U05G


CATHODE
ANODE

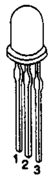
KBU4JL-6088
RBV-406H-01



MA3051
MA3056M
MA3068M
RD5.1M-B2
RD5.6M-B2
RD6.8M-B2



SPR-54MVW



1 ANODE RED
2 CATHODE
3 ANODE GREEN

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

SECTION 6

EXPLODED VIEWS

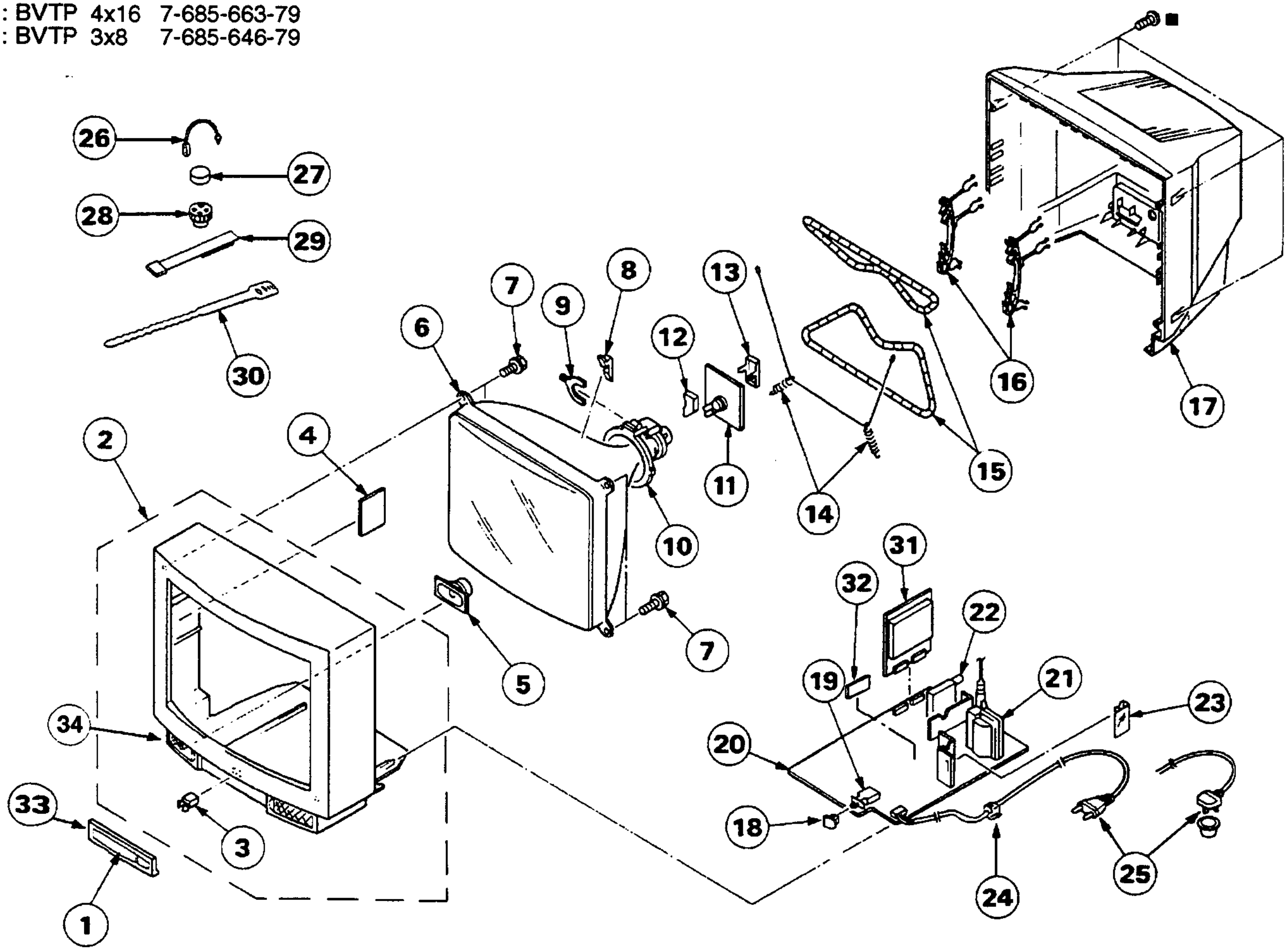
NOTE :

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and marked ⚠ are critical for safety.
Replace only with part number specified.

6-1. CHASSIS

● : BVTP 3x12 7-685-648-79
■ : BVTP 4x16 7-685-663-79
○ : BVTP 3x8 7-685-646-79



REF.NO.	PART NO	DESCRIPTION	REMARK
1	4-202-370-11	WINDOW,ORNAMENTAL KV-M2101U,KV-M2101D KV-M2101K	
	4-202-370-01	WINDOW,ORNAMENTAL KV-M2100A,KV-M2100B KV-M2100D,KV-M2100E KV-M2100K	
3	4-392-036-01	CATCHER,PUSH	
33	4-202-369-01	DOOR	
34	4-202-371-01	SP COVER	

REF.NO.	PART NO	DESCRIPTION	REMARK
2	X-4200-131-1	CABINET,ASSY [BLACK] KV-M2101U KV-M2100D,KV-M2101D KV-M2100K,KV-M2101K	
	X-4200-078-2	CABINET,ASSY [BLACK] KV-M1400A,KV-M1400B KV-M1400E	

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and marked ⚠ are critical for safety.
Replace only with part number specified.

REF.NO.	PART NO	DESCRIPTION	REMARK
4 *	1-638-167-11	J1, BOARD	
5	1-503-258-21	SPEAKER	
6 ⚠	8-738-758-05	PICTURE TUBE [A51JXH61X]	
7	4-036-189-01	SCREW [S], TAPPING	
8	3-704-495-01	SPACER, DY	
9	1-452-277-00	MAGNET, BMC	
10 ⚠	1-451-295-1	DEFLECTION, YOKE [Y21PFA2]	
11	A-1638-016-A	C BOARD, COMPLETE KV-M2100K,KV-M2101K KV-M2100D,KV-M2101D KV-M2101U	
	A-1638-017-A	C BOARD, COMPLETE KV-M2100B,KV-M2100E KV-M2100A	
12 *	4-379-167-01	COVER [MAIN], CV VOL	
13 *	4-379-160-01	COVER [REAR LID], CV VOL	
14	4-369-318-21	SPRING, TENSION	
15 ⚠	1-426-383-11	COIL, DEGAUSSING	
16 *	4-386-622-01	BAND,DGC	
17	4-200-673-01	COVER, REAR [BLACK] KV-M2100K,KV-M2101K KV-M2100D,KV-M2101D KV-M2100U	
	4-202-732-01	COVER, REAR [BLACK] KV-M2100B,KV-M2100E KV-M2100A	
18 ⚠	1-571-433-12	SWITCH, PUSH [AC POWER]	
19	4-202-361-01	BUTTON, POWER	
20 *	A-1632-140-A	A BOARD, COMPLETE [KV-M2100A]	
*	A-1632-135-A	A BOARD, COMPLETE [KV-M2100B]	
*	A-1632-142-A	A BOARD, COMPLETE [KV-M2100D]	
*	A-1632-143-A	A BOARD, COMPLETE [KV-M2101D]	
*	A-1632-141-A	A BOARD, COMPLETE [KV-M2100E]	
*	A-1632-144-A	A BOARD, COMPLETE [KV-M2100K]	
*	A-1632-145-A	A BOARD, COMPLETE [KV-M2101K]	
*	A-1632-122-A	A BOARD, COMPLETE [KV-M2101U]	
21 ⚠	1-439-416-51	TRANSFORMER ASSY, FLYBACK[UX-1650] KV-M2100K,KV-M2101K KV-M2100D,KV-M2101D KV-M2101U	
⚠	1-439-416-51	TRANSFORMER ASSY, FLYBACK[NX-1604] KV-M2100E,KV-M2100A	
⚠	1-439-493-11	TRANSFORMER ASSY, FLYBACK[UX-1650] KV-M2100B	
22	1-465-541-14	TUNER [BT-3C] KV-M2100A,KV-M2100E KV-M2100K,KV-M2101K	
	1-693-093-11	TUNER [BT-3C421] KV-M2100D,KV-M2101D	
	1-465-542-13	TUNER [BT-3U601] KV-M2101U	
	1-693-081-11	TUNER [BT-RC421] KV-M2100B	
23 *	4-200-400-01	PLATE,INSULATION	
24 ⚠	4-389-201-04	HOLDER, AC CORD KV-M2100K,KV-M2101K KV-M2100D,KV-M2101D KV-M2101U	
⚠	4-389-201-11	HOLDER, AC CORD KV-M2100A,KV-M2100B KV-M2100E	
25 ⚠	1-690-296-11	CORD, POWER [WITH NOISE FILTER] KV-M2100A	
⚠	1-590-501-11	CORD, POWER [WITH NOISE FILTER] KV-M2100D,KV-M2101D	
⚠	1-590-460-11	CORD, POWER [WITH CONNECTOR] KV-M2100K,KV-M2101K KV-M2100E	
⚠	1-690-270-11	CORD, POWER [WITH CONNECTOR] KV-M2100B	
⚠	1-590-762-11	CORD, POWER [WITH PLUG] KV-M2101U	
26	4-308-870-00	CLIP, LEAD WIRE	
27	1-452-032-00	MAGNET, DISK;10MM	
28	1-452-094-00	MAGNET, ROTATABLE DISK;15MM	
29	X-4309-608-0	PERMALLOY ASSY, CONVERGENCE	
30	3-701-007-00	BAND, BINDING	
31	A-1645-017-A	V BOARD, COMPLETE KV-M2101D,KV-M2101U	
	A-1645-020-A	V BOARD, COMPLETE KV-M2101K	
32	A-1630-060-A	A1 BOARD, COMPLETE KV-M2100K,KV-M2101K	

ELECTRICAL PARTS LIST

SECTION 7

The components identified by shading and marked ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- All resistors are in ohms
- F : nonflammable

When indicating parts by reference number, please include the board name.

CAPACITORS
MF : µF, PF : µµF

COILS
MMH : mH, UH : µH

A1 KV-M2100K
KV-M2101K

A KV-M2100K / M2101K
KV-M2100D / M2101D

REF.NO.	PART NO.	DESCRIPTION	REMARK
	*A-1630-060-A	A1 BOARD, COMPLETE (KV-M2100K KV-M2101K) ******************	
		<CAPACITOR>	
C1111	1-163-103-00	CERAMIC CHIP 27PF	5% 50V
C1112	1-163-103-00	CERAMIC CHIP 27PF	5% 50V
C1113	1-163-103-00	CERAMIC CHIP 27PF	5% 50V
C1114	1-163-103-00	CERAMIC CHIP 27PF	5% 50V
C1115	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C1116	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C1117	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C1118	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C1119	1-106-369-00	MYLAR 0.012MF	10% 400V
C1151	1-124-477-11	ELECT 47MF	20% 16V
C1152	1-106-379-12	MYLAR 0.033MF	10% 250V
C1153	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C1154	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
		<FILTER>	
CD1101	1-404-710-11	DISCRIMINATOR, CERAMIC	
CF1111	1-527-840-00	FILTER, CERAMIC	
CF1112	1-567-570-11	FILTER, CERAMIC	
		<CONNECTOR>	
CNA111	*1-568-877-51	PIN, CONNECTOR 2P	
CNA112	*1-573-787-11	SOCKET, CONNECTOR 6P	
		<IC>	
IC1101	8-759-003-90	IC TBA129	
IC1102	8-752-006-12	IC CX20061	
		<COIL>	
L1108	1-408-410-00	INDUCTOR 12UH	
L1111	1-408-411-00	INDUCTOR 15UH	
L1112	1-408-409-00	INDUCTOR 10UH	
		<RESISTOR>	
R1111	1-216-033-00	METAL GLAZE 220	5% 1/10W
R1112	1-216-033-00	METAL GLAZE 220	5% 1/10W
R1113	1-216-083-00	METAL GLAZE 27K	5% 1/10W
R1152	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R1153	1-216-045-00	METAL GLAZE 680	5% 1/10W
R1154	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R1155	1-216-049-00	METAL GLAZE 1K	5% 1/10W

REF.NO.	PART NO.	DESCRIPTION	REMARK
		**	
	*A-1632-142-A	A BOARD, COMPLETE (KV-M2100D) *****************	
	*A-1632-143-A	A BOARD, COMPLETE (KV-M2101D) *****************	
	*A-1632-144-A	A BOARD, COMPLETE (KV-M2100K) *****************	
	*A-1632-145-A	A BOARD, COMPLETE (KV-M2101K) *****************	
	4-200-399-01	SPACER, IC	
TP15	*1-535-084-00	1P TERMINAL PIN	
		<CAPACITOR>	
C001	1-126-101-11	ELECT 100MF	20% 16V
C002	1-106-220-00	MYLAR 0.1MF	10% 100V
C003	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C004	1-123-382-00	ELECT 3.3MF	20% 50V
C005	1-126-103-11	ELECT 470MF	20% 16V
C006	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C007	1-124-907-11	ELECT 10MF	20% 50V
C009	1-124-907-11	ELECT 10MF	20% 50V
C010	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C012	1-126-233-11	ELECT 22MF	20% 50V
C018	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C020	1-124-903-11	ELECT 1MF	20% 50V
C021	1-124-907-11	ELECT 10MF	20% 50V
C022	1-124-907-11	ELECT 10MF	20% 50V (KV-M2100K/KV-M2101K)
C023	1-124-907-11	ELECT 10MF	20% 50V
C024	1-124-907-11	ELECT 10MF	20% 50V
C025	1-124-916-11	ELECT 22MF	20% 50V
C026	1-124-903-11	ELECT 1MF	20% 50V
C030	1-124-903-11	ELECT 1MF	20% 50V
C037	1-163-034-00	CERAMIC CHIP 0.033MF	50V
C038	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C039	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C041	1-124-478-11	ELECT 100MF	20% 25V
C055	1-163-075-00	CERAMIC CHIP 0.047MF	50V
C058	1-163-077-00	CERAMIC CHIP 0.1MF	10% 25V
C059	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C062	1-126-101-11	ELECT 100MF	20% 16V
C063	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V

REF.NO.	PART NO.	DESCRIPTION			REMARK
C101	1-124-477-11	ELECT	47MF	20%	16V
C102	1-124-910-11	ELECT	47MF	20%	50V
C103	1-163-105-00	CERAMIC CHIP	33PF	5%	50V
C104	1-164-665-11	CERAMIC CHIP	0.039MF	10%	50V
C105	1-164-665-11	CERAMIC CHIP	0.039MF	10%	50V
C106	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C107	1-124-477-11	ELECT	47MF	20%	16V
C112	1-163-109-00	CERAMIC CHIP	47PF	5%	50V
					(KV-M2100K/KV-M2101K)
	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
					(KV-M2100D/KV-M2101D)
C114	1-163-129-00	CERAMIC CHIP	330PF	5%	50V
					(KV-M2100K/KV-M2101K)
	1-163-109-00	CERAMIC CHIP	47PF	5%	50V
					(KV-M2100D/KV-M2101D)
C115	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C120	1-163-173-00	CERAMIC CHIP	47PF	5%	50V
C123	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C125	1-124-917-11	ELECT	33MF	20%	50V
C128	1-163-025-11	CERAMIC CHIP	0.001MF		50V
C130	1-136-171-00	FILM	0.33MF	5%	50V
					(KV-M2100D/KV-M2101D)
C131	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C132	1-163-029-11	CERAMIC CHIP	0.0047MF		50V
C133	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C134	1-136-562-11	MYLAR	0.0082MF	10%	400V
					(KV-M2100D/KV-M2101D)
C135	1-163-033-00	CERAMIC CHIP	0.022MF		50V
C136	1-163-033-00	CERAMIC CHIP	0.022MF		50V
C138	1-216-295-00	METAL GLAZE	0	5%	1/10W
C139	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C140	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C141	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C142	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C143	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C144	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C145	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C146	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C147	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C148	1-164-665-11	CERAMIC CHIP	0.039MF	10%	50V
C149	1-126-101-11	ELECT	100MF	20%	16V
					(KV-M2100K/KV-M2101K)
	1-124-119-00	ELECT	330MF	20%	16V
					(KV-M2100D/KV-M2101D)
C151	1-124-907-11	ELECT	10MF	20%	50V
C154	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C157	1-124-927-11	ELECT	4.7MF	20%	50V
C163	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C201	1-124-916-11	ELECT	22MF	20%	50V
C202	1-124-925-11	ELECT	2.2MF	20%	50V
C203	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C204	1-124-480-11	ELECT	470MF	20%	25V
C206	1-163-011-11	CERAMIC CHIP	0.0015MF	10%	50V
C207	1-124-925-11	ELECT	2.2MF	20%	50V
C208	1-126-104-11	ELECT	470MF	20%	35V
C209	1-124-910-11	ELECT	47MF	20%	50V
C210	1-106-228-00	MYLAR	0.22MF	10%	100V
C301	1-124-907-11	ELECT	10MF	20%	50V
					(KV-M2100K/KV-M2101K)
C302	1-163-059-00	CERAMIC CHIP	0.01MF		50V
C303	1-163-059-00	CERAMIC CHIP	0.01MF		50V
C304	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C305	1-124-910-11	ELECT	47MF	20%	50V
C306	1-106-220-00	MYLAR	0.1MF	10%	100V
C307	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C308	1-124-910-11	ELECT	47MF	20%	50V
C309	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C310	1-124-917-11	ELECT	33MF	20%	50V
					(KV-M2100K/KV-M2101K)
	1-535-465-11	LEAD, JUMPER (5MM)			
					(KV-M2100D/KV-M2101D)
C311	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C312	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C313	1-163-105-00	CERAMIC CHIP	33PF	5%	50V
C314	1-163-103-00	CERAMIC CHIP	27PF	5%	50V
C315	1-163-177-00	CERAMIC CHIP	68PF	5%	50V
					(KV-M2100K/KV-M2101K)
C316	1-163-377-11	CERAMIC CHIP	100PF	5%	50V
C317	1-163-093-00	CERAMIC CHIP	10PF	5%	50V
C318	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C319	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C321	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C323	1-163-055-00	CERAMIC CHIP	0.0047MF	10%	50V
C329	1-131-367-00	TANTALUM	22MF	10%	16V
C330	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C331	1-124-927-11	ELECT	4.7MF	20%	50V
C332	1-130-783-00	MYLAR	0.33MF	10%	100V
C333	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C334	1-163-063-00	CERAMIC CHIP	0.022MF	10%	50V
C335	1-163-063-00	CERAMIC CHIP	0.022MF	10%	50V
C336	1-163-119-00	CERAMIC CHIP	120PF	5%	50V
C337	1-130-834-00	MYLAR	1MF	10%	63V
C338	1-106-220-00	MYLAR	0.1MF	10%	100V
C339	1-106-220-00	MYLAR	0.1MF	10%	100V
C340	1-162-568-11	CERAMIC CHIP	0.33MF	10%	16V
C341	1-130-783-00	MYLAR	0.33MF	10%	100V
C343	1-106-383-00	MYLAR	0.047MF	10%	100V
C344	1-130-783-00	MYLAR	0.33MF	10%	100V
C345	1-163-187-00	CERAMIC CHIP	180PF	5%	50V
C346	1-163-033-00	CERAMIC CHIP	0.022MF		50V
C347	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C348	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C349	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C351	1-106-375-12	MYLAR	0.022MF	10%	250V
					(KV-M2100K/KV-M2101K)
C352	1-106-375-12	MYLAR	0.022MF	10%	250V
C353	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C354	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C355	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C356	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C357	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C358	1-124-556-11	ELECT	2200MF	20%	16V
C359	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C360	1-124-903-11	ELECT	1MF	20%	50V
C361	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C363	1-163-201-00	CERAMIC CHIP	680PF	5%	50V
					(KV-M2100K/KV-M2101K)
C364	1-163-137-00	CERAMIC CHIP	680PF	5%	50V
					(KV-M2100K/KV-M2101K)
C367	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C370	1-124-916-11	ELECT	22MF	20%	50V
C388	1-106-220-00	MYLAR	0.1MF	10%	100V
C401	1-124-910-11	ELECT	47MF	20%	50V

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and marked ⚠ are critical for safety. Replace only with part number specified.

REF.NO.		PART NO.	DESCRIPTION			REMARK
C403		1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C404		1-163-031-11	CERAMIC CHIP	0.01MF		50V
C430		1-164-336-11	CERAMIC CHIP	0.33MF		25V
C431		1-124-910-11	ELECT	47MF	20%	50V
C432		1-163-031-11	CERAMIC CHIP	0.01MF		50V
C433		1-124-916-11	ELECT	22MF	20%	25V
C434		1-163-031-11	CERAMIC CHIP	0.01MF		50V
C475		1-124-916-11	ELECT	22MF	20%	50V
C476		1-108-702-11	MYLAR	0.068MF	10%	100V
C490		1-124-910-11	ELECT	47MF	20%	50V
C499		1-163-205-00	CERAMIC CHIP	0.001MF	10%	50V
C501		1-163-181-00	CERAMIC CHIP	100PF	5%	50V
C502		1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C503		1-163-181-00	CERAMIC CHIP	100PF	5%	50V
C504		1-124-122-11	ELECT	100MF	20%	50V
C505		1-124-916-11	ELECT	22MF	20%	50V
C506		1-106-228-00	MYLAR	0.22MF	10%	100V
C507		1-124-557-11	ELECT	1000MF	20%	25V
C508		1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C509		1-162-568-11	CERAMIC CHIP	0.33MF	10%	16V
C510		1-163-081-00	CERAMIC CHIP	0.22MF		25V
C511		1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C512		1-108-702-11	MYLAR	0.068MF	10%	100V
C513		1-124-927-11	ELECT	4.7MF	20%	50V
C514		1-136-298-00	FILM	0.0033MF	5%	100V
C515		1-163-035-00	CERAMIC CHIP	0.047MF		50V
C516		1-163-113-00	CERAMIC CHIP	68PF	5%	50V
C517		1-163-033-00	CERAMIC CHIP	0.022MF		50V
C518		1-163-117-00	CERAMIC CHIP	100PF	5%	50V
						(KV-M2100K/KV-M2101K)
C520		1-163-033-00	CERAMIC CHIP	0.022MF		50V
C521		1-131-377-00	TANTALUM	10MF	10%	10V
C524		1-106-228-00	MYLAR	0.22MF	10%	100V
C525		1-108-702-11	MYLAR	0.068MF	10%	100V
C526		1-124-910-11	ELECT	47MF	20%	50V
C527		1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C529		1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C530		1-163-197-00	CERAMIC CHIP	470PF	5%	50V
C531		1-163-113-00	CERAMIC CHIP	68PF	5%	50V
						(KV-M2100D/KV-M2101D)
C532		1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C536		1-124-927-11	ELECT	4.7MF	20%	50V
C537		1-163-038-00	CERAMIC CHIP	0.1MF		25V
C540		1-216-295-00	METAL GLAZE	0	5%	1/10W
						(KV-M2100K/KV-M2101K)
		1-163-111-00	CERAMIC CHIP	56PF	5%	50V
						(KV-M2100D/KV-M2101D)
C601	⚠	1-161-964-61	CERAMIC	0.0047MF		250V
C602	⚠	1-161-964-61	CERAMIC	0.0047MF		250V
C603		1-162-599-12	CERAMIC	0.0047MF		250V
C604		1-125-318-00	ELECT(BLOCK)	220MF	20%	400V
C605		1-161-754-00	CERAMIC	0.001MF	10%	2KV
C606		1-104-728-11	FILM	0.047MF	10%	630V
C607		1-106-367-00	MYLAR	0.01MF	10%	400V
C608		1-161-753-00	CERAMIC	470PF	10%	3KV
C609		1-124-347-00	ELECT	100MF	20%	160V
C610		1-124-557-11	ELECT	1000MF	20%	25V
C612		1-102-228-00	CERAMIC	470PF	10%	500V
C614		1-126-101-11	ELECT	100MF	20%	16V
C618		1-124-916-11	ELECT	22MF	20%	50V
C621	⚠	1-136-517-11	FILM	0.22MF	20%	300V
						(KV-M2100K/KV-M2101K)
	⚠	1-136-879-11	FILM	0.68MF	20%	300V
						(KV-M2100D/KV-M2101D)
C623	⚠	1-164-246-61	CERAMIC	0.0022MF	20%	400V
C625	⚠	1-136-517-11	FILM	0.22MF	20%	300V
						(KV-M2100K/KV-M2101K)
	⚠	1-136-879-11	FILM	0.68MF	20%	300V
						(KV-M2100D/KV-M2101D)
C626	⚠	1-163-161-00	CERAMIC CHIP	15PF	5%	50V
						(KV-M2100K/KV-M2101K)
C627	⚠	1-163-161-00	CERAMIC CHIP	15PF	5%	50V
						(KV-M2100K/KV-M2101K)
C631		1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C632	⚠	1-161-964-61	CERAMIC	0.0047MF		250V
C633		1-161-742-00	CERAMIC	0.0022MF	20%	400V
C698		1-162-115-00	CERAMIC CHIP	330PF	10%	2KV
						(KV-M2100D/KV-M2101D)
C801		1-101-821-00	CERAMIC	0.0022MF		500V
C802		1-102-244-00	CERAMIC	220PF	10%	500V
C804		1-126-101-11	ELECT	100MF	20%	16V
C805		1-136-080-00	FILM	0.011MF	3%	2KV
C806		1-136-187-11	FILM	0.047MF	10%	250V
C807		1-161-754-00	CERAMIC	0.001MF	10%	2KV
C808		1-136-933-11	FILM	1MF	5%	100V
C809		1-102-212-00	CERAMIC	820PF	10%	500V
C811		1-136-540-11	FILM	0.82MF	5%	160V
C812		1-124-634-11	ELECT	1MF	20%	250V
C813		1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C814		1-126-542-11	ELECT	4.7MF	20%	160V
C815		1-124-916-11	ELECT	22MF	20%	50V
C816		1-102-228-00	CERAMIC	470PF	10%	500V
C817		1-123-948-00	ELECT	22MF	20%	250V
C818		1-106-375-12	MYLAR	0.022MF	10%	250V
C819		1-162-114-00	CERAMIC	0.0047MF		2KV
C820		1-162-318-11	CERAMIC	0.001MF	10%	500V
C821		1-126-101-11	ELECT	100MF	20%	16V
C822		1-162-318-11	CERAMIC	0.001MF	10%	500V
C823		1-126-233-11	ELECT	22MF	20%	50V
C824		1-124-913-11	ELECT	470MF	20%	50V
C825		1-136-204-11	MYLAR	0.015MF	10%	400V
C840		1-124-902-00	ELECT	0.47MF	20%	50V
C850		1-126-101-11	ELECT	100MF	20%	16V
			<FILTER>			
CD101		1-579-110-11	DISCRIMINATOR, CERAMIC			
CF501		1-404-801-11	TRAP, CERAMIC			
CF502		1-409-327-00	TRAP, CERAMIC (6.5MHZ)			
						(KV-M2100K/KV-M2101K)
SWF101		1-579-414-11	FILTER, SAWTOOTH WAVE			
						(KV-M2100K/KV-M2101K)
		1-579-120-11	FILTER, SURFACE WAVE			
						(KV-M2100D/KV-M2101D)
XF501		1-527-840-00	FILTER, CERAMIC			
						(KV-M2100D/KV-M2101D)
			<CONNECTOR>			
CNA11		*1-506-947-11	PIN, CONNECTOR 6P			
CNA12		*1-568-877-51	PIN, CONNECTOR 2P			
CNA21		*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)			
CNA22		*1-568-878-51	PIN, CONNECTOR 3P			
CNA42		*1-565-394-11	PIN, BOARD TO BOARD CONNECTOR			

The components identified by shading and marked ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO.	PART NO.	DESCRIPTION	REMARK
CNA43	*1-565-394-11	PIN, BOARD TO BOARD CONNECTOR	
CNA61 ⚠	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
CNA62 ⚠	*1-580-844-11	PIN, CONNECTOR (POWER)	
CNA64	*1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P	
CNA81	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P	
CNA82	*1-580-798-11	CONNECTOR PIN (DY) 6P	
		<TRIMMER>	
CT331	1-141-418-11	CAP, ADJ	(KV-M2100K/KV-M2101K)
	1-535-465-11	LEAD, JUMPER (5MM)	(KV-M2100D/KV-M2101D)
CT332	1-141-418-11	CAP, ADJ	
		<DIODE>	
D002	8-719-920-55	DIODE SPR-54MVW	
	*4-200-407-01	HOLDER, LED D002	
D004	8-719-914-44	DIODE DAP202K	
D007	8-719-400-18	DIODE MA152WK	
D008	8-719-105-82	DIODE RD5.1M-B2	
D009	8-719-105-82	DIODE RD5.1M-B2	
D011	8-719-911-19	DIODE 1SS119	
D020	8-719-911-19	DIODE 1SS119	
D101	8-719-110-03	DIODE RD7.5ESB2	
D102	8-719-110-03	DIODE RD7.5ESB2	
D103	8-719-110-03	DIODE RD7.5ESB2	
D104	8-719-400-18	DIODE MA152WK	
D110	8-719-109-85	DIODE RD5.1ESB2	
D301	8-719-914-44	DIODE DAP202K	
D302	8-719-800-76	DIODE 1SS226	
D303	8-719-914-44	DIODE DAP202K	
D305	8-719-800-76	DIODE 1SS226	
D306	8-719-400-18	DIODE MA152WK	
D313	8-719-800-76	DIODE 1SS226	
D321	8-719-109-89	DIODE RD5.6ESB2	
D324	8-719-914-44	DIODE DAP202K	
D331	8-719-911-19	DIODE 1SS119	(KV-M2100K/KV-M2101K)
D332	8-719-911-19	DIODE 1SS119	(KV-M2100K/KV-M2101K)
D333	8-719-911-19	DIODE 1SS119	
D334	8-719-914-44	DIODE DAP202K	
D402	8-719-109-97	DIODE RD6.8ESB2	
D403	8-719-109-97	DIODE RD6.8ESB2	
D404	8-719-109-97	DIODE RD6.8ESB2	
D405	8-719-110-09	DIODE RD8.2ESB3	
D406	8-719-110-09	DIODE RD8.2ESB3	
D411	8-719-109-97	DIODE RD6.8ESB2	
D417	8-719-914-44	DIODE DAP202K	
D418	8-719-914-44	DIODE DAP202K	
D426	8-719-911-19	DIODE 1SS119	
D427	8-719-911-19	DIODE 1SS119	
D450	8-719-109-97	DIODE RD6.8ESB2	
D501	8-719-950-57	DIODE BYD33G	
D503	8-719-911-19	DIODE 1SS119	
D504	8-719-400-18	DIODE MA152WK	
D519	8-719-400-18	DIODE MA152WK	
D601	8-719-311-72	DIODE RBV-406H-01	
D602	8-719-976-64	DIODE RGP02-17	
D603	8-719-908-03	DIODE GP08D	
D604	8-719-928-08	DIODE ERD28-08S	
D605	8-719-950-57	DIODE BYD33G	
D606	8-719-980-78	DIODE ERA83-006	
D607	8-719-950-57	DIODE BYD33G	
D608	8-719-950-57	DIODE BYD33G	
D609	8-719-908-03	DIODE GP08D	
D610	8-719-908-03	DIODE GP08D	
D611	8-719-312-40	DIODE R2K	
D801	8-719-945-80	DIODE ERC06-15S	
D802	8-719-928-08	DIODE ERD28-08S	
D803	8-719-950-57	DIODE BYD33G	
D805	8-719-950-57	DIODE BYD33G	
D806	8-719-976-64	DIODE RGP02-17	
D807	8-719-950-57	DIODE BYD33G	
D808	8-719-950-57	DIODE BYD33G	
D809	8-719-400-18	DIODE MA152WK	
D820	8-719-911-19	DIODE 1SS119	
		<DELAY LINE>	
DL301	1-236-062-11	MODULE, Y DELAY LINE	
		<FUSE>	
F601 ⚠	1-576-231-21	FUSE (H.B.C.) 4A/250V	
	1-533-230-11	HOLDER, FUSE F601	
	4-201-057-01	COVER, FUSE F601	
		<IC>	
IC001	8-759-517-38	IC PCA84C840P-012	
IC002	8-759-043-86	IC ST24C02AB1	
IC003	8-741-139-80	IC BX-1398	
IC004	8-759-805-37	IC L78LR05D-MA	
IC005	8-759-157-40	DIODE UPC574J	
IC102	8-759-044-41	IC TDA3827/V3	
IC201	8-759-502-74	IC TDA7245	
IC301	8-759-084-91	IC TDA4661/V2	
IC302	8-759-512-04	IC TDA3505-V1	
IC331	8-759-521-22	IC TDA4650/V4	
IC501	8-759-113-13	IC UPC1498H	
	*4-389-343-11	SPRING; IC501	
IC502	8-759-515-72	IC TDA8304	
IC601	8-749-901-65	IC STR54041	
	*4-368-683-11	SPRING; IC601	
IC801	8-759-945-58	IC RC4558P	
IC802	8-759-604-39	IC M5F78M12L	
	*4-389-343-11	SPRING; IC802	
		<JACK>	
J401	1-561-534-00	SOCKET, PIN 21P	
		<COIL>	
L001	1-408-409-00	INDUCTOR 10UH	
L102	1-408-409-00	INDUCTOR 10UH	
L103	1-408-399-00	INDUCTOR 1.5UH	
L106	1-408-415-00	INDUCTOR 33UH	
L107	1-408-410-00	INDUCTOR 12UH	
L111	1-410-872-21	INDUCTOR 10UH	(KV-M2100K/KV-M2101K)
L301	1-408-409-00	INDUCTOR 10UH	
L302	1-408-419-00	INDUCTOR 68UH	
L303	1-408-425-00	INDUCTOR 220UH	
L331	1-404-554-11	COIL	
L406	1-408-417-00	INDUCTOR 47UH	

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and marked ⚠ are critical for safety.
Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK
L501	1-404-493-00	COIL	
L502	1-408-405-00	INDUCTOR	4.7UH (KV-M2100K/KV-M2101K)
	1-408-408-00	INDUCTOR	15UH (KV-M2100D/KV-M2101D)
L506	1-408-411-00	INDUCTOR	15UH (KV-M2100D/KV-M2101D)
L801	1-407-365-00	COIL,CHOKE	
L802	1-420-872-00	COIL, AIR CORE	
L804	1-459-390-00	COIL (WITH CORE)	
L805	1-459-105-21	COIL(WITH CORE)	
L806	1-459-652-12	HLC	
L807	1-408-239-00	INDUCTOR	4.7MMH
L808	1-408-226-00	INDUCTOR	82UH

<VARIABLE COIL>

REF.NO.	PART NO.	DESCRIPTION	REMARK
LV301	1-404-554-11	COIL	

<IC LINK>

REF.NO.	PART NO.	DESCRIPTION	REMARK
PS801 ⚠	1-532-637-00	LINK, IC (ICP-N25) 1A	

<TRANSISTOR>

REF.NO.	PART NO.	DESCRIPTION	REMARK
Q001	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q003	8-729-901-01	TRANSISTOR DTC144EK	
Q004	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q005	8-729-923-54	TRANSISTOR DTA143TK	
Q006	8-729-922-66	TRANSISTOR 2SC2410SN	
Q007	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q015	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q016	8-729-901-47	TRANSISTOR DTA143EK	
Q017	8-729-216-22	TRANSISTOR 2SA1162G	
Q019	8-729-901-06	TRANSISTOR DTA144EK	
Q020	8-729-901-00	TRANSISTOR DTC124EK	
Q101	8-729-901-47	TRANSISTOR DTA143EK	
Q102	8-729-901-47	TRANSISTOR DTA143EK	
Q103	8-729-901-47	TRANSISTOR DTA143EK	
Q104	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q106	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q107	8-729-216-22	TRANSISTOR 2SA1162G	
Q112	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q114	8-729-901-00	TRANSISTOR DTC124EK	
Q115	8-729-901-00	TRANSISTOR DTC124EK	
Q141	8-729-014-99	TRANSISTOR BF959-AMMO	
Q302	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q303	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q304	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q305	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q306	8-729-901-00	TRANSISTOR DTC124EK	(KV-M2100K/KV-M2101K)
Q307	8-729-216-22	TRANSISTOR 2SA1162G	
Q310	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q311	8-729-216-22	TRANSISTOR 2SA1162G	
Q401	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q457	8-729-216-22	TRANSISTOR 2SA1162G	
Q504	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q505	8-729-216-22	TRANSISTOR 2SA1162G	
Q601	8-729-906-74	TRANSISTOR BC637-16	
Q801	8-729-119-80	TRANSISTOR 2SC2688-LK	
Q802	8-729-925-64	TRANSISTOR BU508AS2	
Q803	8-729-904-27	TRANSISTOR 2SD1761-E	

<RESISTOR>

REF.NO.	PART NO.	DESCRIPTION	REMARK
JR44	1-216-295-00	METAL GLAZE 0 5% 1/10W	(KV-M2100K/KV-M2101K)
JR53	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR99	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR003	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR004	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR005	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR006	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR009	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR010	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR011	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR012	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR015	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR016	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR017	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR018	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR019	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR020	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR026	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR028	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR029	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR030	1-216-295-00	METAL GLAZE 0 5% 1/10W	(KV-M2100D/KV-M2101D)
JR034	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR036	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR037	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR038	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR039	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR040	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR041	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR042	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR044	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR045	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR050	1-216-295-00	METAL GLAZE 0 5% 1/10W	(KV-M2100K/KV-M2101K)
JR051	1-216-295-00	METAL GLAZE 0 5% 1/10W	(KV-M2100K/KV-M2101K)
JR052	1-216-295-00	METAL GLAZE 0 5% 1/10W	(KV-M2100K/KV-M2101K)
JR060	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR101	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR102	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR103	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR104	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR105	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR106	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR107	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR108	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR109	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR110	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR111	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR112	1-216-296-00	METAL GLAZE 0 5% 1/8W	(KV-M2100K/KV-M2101K)
JR116	1-216-296-00	METAL GLAZE 0 5% 1/8W	(KV-M2100K/KV-M2101K)
JR117	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR118	1-216-296-00	METAL GLAZE 0 5% 1/8W	

REF.NO.	PART NO.	DESCRIPTION				REMARK
JR121	1-216-296-00	METAL GLAZE	0	5%	1/8W	(KV-M2100K/KV-M2101K)
JR122	1-216-296-00	METAL GLAZE	0	5%	1/8W	(KV-M2100K/KV-M2101K)
JR123	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR125	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR126	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR127	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR128	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR129	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR130	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR131	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR133	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR134	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR135	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR137	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR139	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR140	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR144	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR147	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR148	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR149	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR150	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR151	1-216-296-00	METAL GLAZE	0	5%	1/8W	(KV-M2100D/KV-M2101D)
JR152	1-216-296-00	METAL GLAZE	0	5%	1/8W	(KV-M2100D/KV-M2101D)
JR153	1-216-296-00	METAL GLAZE	0	5%	1/8W	(KV-M2100D/KV-M2101D)
JR155	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR181	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR182	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR183	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR184	1-216-296-00	METAL GLAZE	0	5%	1/8W	
R001	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R002	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R003	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R004	1-216-083-00	METAL GLAZE	27K	5%	1/10W	
R005	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W	
R006	1-216-254-00	METAL GLAZE	220K	5%	1/8W	
R007	1-216-190-00	METAL GLAZE	470	5%	1/8W	
R008	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R009	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R010	1-216-198-00	METAL GLAZE	1K	5%	1/8W	
R011	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R012	1-216-248-00	METAL GLAZE	120K	5%	1/8W	
R013	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R014	1-216-689-11	METAL GLAZE	39K	5%	1/10W	
R015	1-216-230-00	METAL GLAZE	22K	5%	1/8W	
R016	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R017	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R018	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R019	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R020	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R021	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R022	1-216-198-00	METAL GLAZE	1K	5%	1/8W	
R023	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R024	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R025	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R026	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R028	1-216-085-00	METAL GLAZE	33K	5%	1/10W	

REF.NO.	PART NO.	DESCRIPTION				REMARK
R029	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R030	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R031	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R032	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R033	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R034	1-216-238-00	METAL GLAZE	47K	5%	1/8W	
R035	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R038	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R040	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R041	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R042	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R043	1-215-900-11	METAL OXIDE	22K	5%	2W	
R044	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R045	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R046	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R047	1-216-079-00	METAL GLAZE	18K	5%	1/10W	
R048	1-216-202-00	METAL GLAZE	1.5K	5%	1/8W	
R049	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R050	1-216-250-00	METAL GLAZE	150K	5%	1/8W	
R051	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R052	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R053	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R054	1-249-395-11	CARBON	15	5%	1/4W	
R055	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R056	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R058	1-249-434-11	CARBON	27K	5%	1/4W	
R059	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R060	1-216-234-00	METAL GLAZE	33K	5%	1/8W	
R061	1-216-079-00	METAL GLAZE	18K	5%	1/10W	
R062	1-216-242-00	METAL GLAZE	68K	5%	1/8W	
R064	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R070	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	(KV-M2100K/KV-M2101K)
R071	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	(KV-M2100K/KV-M2101K)
R075	1-216-248-00	METAL GLAZE	120K	5%	1/8W	
R076	1-216-198-00	METAL GLAZE	1K	5%	1/8W	
R077	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R078	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R079	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R081	1-216-198-00	METAL GLAZE	1K	5%	1/8W	
R082	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R083	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R084	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R086	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	(KV-M2100K/KV-M2101K)
R087	1-216-027-00	METAL GLAZE	120	5%	1/10W	
R089	1-216-212-00	METAL GLAZE	3.9K	5%	1/8W	(KV-M2100K/KV-M2101K)
R094	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R095	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R096	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R097	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R099	1-216-228-00	METAL GLAZE	18K	5%	1/8W	
R100	1-216-017-00	METAL GLAZE	47	5%	1/10W	
R101	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R102	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R103	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R104	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	

REF.NO.	PART NO.	DESCRIPTION				REMARK
R105	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R106	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R107	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R108	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R109	1-216-190-00	METAL GLAZE	470	5%	1/8W	
R110	1-249-437-11	CARBON	47K	5%	1/4W	
R111	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R112	1-249-411-11	CARBON	330	5%	1/4W	
R113	1-216-077-00	METAL GLAZE	15K	5%	1/10W	(KV-M2100K/KV-M2101K)
	1-216-085-00	METAL GLAZE	33K	5%	1/10W	(KV-M2100D/KV-M2101D)
R114	1-216-238-00	METAL GLAZE	47K	5%	1/8W	
R115	1-216-045-00	METAL GLAZE	680	5%	1/10W	
R116	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R118	1-216-037-00	METAL GLAZE	330	5%	1/10W	(KV-M2100K/KV-M2101K)
	1-216-035-00	METAL GLAZE	270	5%	1/10W	(KV-M2100D/KV-M2101D)
R119	1-216-045-00	METAL GLAZE	680	5%	1/10W	
R130	1-249-409-11	CARBON	220	5%	1/4W	
R131	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R132	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R136	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R138	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R139	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R140	1-216-037-00	METAL GLAZE	330	5%	1/10W	(KV-M2100K/KV-M2101K)
	1-216-045-00	METAL GLAZE	680	5%	1/10W	(KV-M2100D/KV-M2101D)
R141	1-216-021-00	METAL GLAZE	68	5%	1/10W	(KV-M2100K/KV-M2101K)
	1-216-029-00	METAL GLAZE	150	5%	1/10W	(KV-M2100D/KV-M2101D)
R142	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	
R143	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R144	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R147	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R148	1-216-017-00	METAL GLAZE	47	5%	1/10W	
R149	1-216-182-00	METAL GLAZE	220	5%	1/8W	
R151	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R152	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R153	1-215-867-00	METAL OXIDE	470	5%	1W	
R199	1-216-029-00	METAL GLAZE	150	5%	1/10W	(KV-M2100K/KV-M2101K)
	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	(KV-M2100D/KV-M2101D)
R201	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R202	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R203	1-216-298-00	METAL GLAZE	2.2	5%	1/10W	
R204	1-247-741-11	CARBON	150	5%	1/2W	
R205	1-216-083-00	METAL GLAZE	27K	5%	1/10W	
R206	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R207	1-216-298-00	METAL GLAZE	2.2	5%	1/10W	
R301	1-216-077-00	METAL GLAZE	15K	5%	1/10W	(KV-M2100K/KV-M2101K)
R302	1-216-033-00	METAL GLAZE	220	5%	1/10W	(KV-M2100K/KV-M2101K)
R303	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R304	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R305	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R306	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	
R307	1-216-077-00	METAL GLAZE	15K	5%	1/10W	

REF.NO.	PART NO.	DESCRIPTION				REMARK
R308	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R309	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R310	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R311	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R312	1-216-174-00	METAL GLAZE	100	5%	1/8W	
R313	1-216-174-00	METAL GLAZE	100	5%	1/8W	
R314	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R315	1-216-047-00	METAL GLAZE	820	5%	1/10W	
R316	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R317	1-216-202-00	METAL GLAZE	1.5K	5%	1/8W	
R318	1-216-089-00	METAL GLAZE	47K	5%	1/10W	(KV-M2100K/KV-M2101K)
R319	1-216-089-00	METAL GLAZE	47K	5%	1/10W	(KV-M2100K/KV-M2101K)
R320	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R321	1-216-023-00	METAL GLAZE	82	5%	1/10W	
R322	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R323	1-216-192-00	METAL GLAZE	560	5%	1/8W	
R324	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R325	1-249-410-11	CARBON	270	5%	1/4W	
R326	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R327	1-216-121-00	METAL GLAZE	1M	5%	1/10W	
R328	1-216-001-00	METAL GLAZE	10	5%	1/10W	
R329	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R330	1-216-244-00	METAL GLAZE	82K	5%	1/8W	
R331	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R332	1-216-270-00	METAL GLAZE	1M	5%	1/8W	
R333	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R334	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W	
R335	1-216-001-00	METAL GLAZE	10	5%	1/10W	
R336	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	
R337	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R338	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R341	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R342	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R343	1-216-031-00	METAL GLAZE	180	5%	1/10W	(KV-M2100K/KV-M2101K)
R346	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R347	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R348	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R349	1-216-029-00	METAL GLAZE	150	5%	1/10W	
R350	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R351	1-216-043-00	METAL GLAZE	560	5%	1/10W	
R352	1-216-039-00	METAL GLAZE	390	5%	1/10W	
R353	1-249-438-11	CARBON	56K	5%	1/4W	
R354	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R355	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R356	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R357	1-216-039-00	METAL GLAZE	390	5%	1/10W	
R360	1-216-001-00	METAL GLAZE	10	5%	1/10W	
R363	1-216-222-00	METAL GLAZE	10K	5%	1/8W	
R364	1-216-222-00	METAL GLAZE	10K	5%	1/8W	
R399	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R402	1-216-172-00	METAL GLAZE	82	5%	1/8W	
R403	1-216-023-00	METAL GLAZE	82	5%	1/10W	
R404	1-216-023-00	METAL GLAZE	82	5%	1/10W	
R405	1-216-023-00	METAL GLAZE	82	5%	1/10W	
R406	1-216-226-00	METAL GLAZE	15K	5%	1/8W	
R407	1-216-226-00	METAL GLAZE	15K	5%	1/8W	
R408	1-216-091-00	METAL GLAZE	56K	5%	1/10W	

The components identified by shading and marked ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO.	PART NO.	DESCRIPTION				REMARK
R409	1-216-023-00	METAL GLAZE	82	5%	1/10W	
R411	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R412	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R413	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R414	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R420	1-216-182-00	METAL GLAZE	220	5%	1/8W	
R423	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R424	1-216-222-00	METAL GLAZE	10K	5%	1/8W	
R425	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R426	1-216-045-00	METAL GLAZE	680	5%	1/10W	
R427	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R428	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R430	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R432	1-249-403-11	CARBON	68	5%	1/4W	
R433	1-216-079-00	METAL GLAZE	18K	5%	1/10W	
R434	1-216-029-00	METAL GLAZE	150	5%	1/10W	
R435	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R436	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R437	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R501	1-216-214-00	METAL GLAZE	4.7K	5%	1/8W	
R502	1-247-743-11	CARBON	220	5%	1/2W	
R503	1-249-437-11	CARBON	47K	5%	1/4W	
R504	1-216-017-00	METAL GLAZE	47	5%	1/10W	
R505	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R507	1-216-350-11	METAL OXIDE	1.2	5%	1W	F
R508	1-215-867-00	METAL OXIDE	470	5%	1W	
R510	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R511	1-216-244-00	METAL GLAZE	82K	5%	1/8W	
R512	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R513	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R514	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R515	1-216-683-11	METAL CHIP	22K	0.50%	1/10W	
R516	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R517	1-216-031-00	METAL GLAZE	180	5%	1/10W	
R518	1-216-295-00	METAL GLAZE	0	5%	1/10W	
			(KV-M2100K/KV-M2101K)			
R519	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R520	1-216-258-00	METAL GLAZE	330K	5%	1/8W	
R521	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R522	1-215-863-11	METAL OXIDE	100	5%	1W	
R523	1-247-754-11	CARBON	1.5K	5%	1/2W	
R524	1-216-099-00	METAL GLAZE	120K	5%	1/10W	
R525	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R527	1-215-869-11	METAL OXIDE	1K	5%	1W	
R532	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R533	1-216-133-00	METAL GLAZE	3.3M	5%	1/10W	
R534	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R535	1-216-107-00	METAL GLAZE	270K	5%	1/10W	
R539	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R542	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R543	1-249-408-11	CARBON	180	5%	1/4W	
R545	1-216-286-00	METAL GLAZE	4.7M	5%	1/8W	
R548	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R601	⚠ 1-205-909-11	WIREWOUND	3.3	5%	10W	
R602	1-214-923-00	CARBON	270K	5%	1/2W	
R603	1-215-903-11	METAL OXIDE	68K	5%	2W	
R604	1-247-752-11	CARBON	1K	5%	1/2W	
R606	1-212-877-11	FUSIBLE	68	5%	1/4W	
R607	1-249-430-11	CARBON	12K	5%	1/4W	
R608	1-215-884-11	METAL OXIDE	47	5%	2W	

REF.NO.	PART NO.	DESCRIPTION				REMARK
R609	1-207-905-00	WIREWOUND	0.27	10%	2W	
R611	1-214-915-00	CARBON	120K	5%	1/2W	
R612	1-217-137-11	FUSIBLE	0.33	5%	1/4W	
R613	1-217-811-11	FUSIBLE	0.47	5%	1/4W	
R614	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R615	1-216-013-00	METAL GLAZE	33	5%	1/10W	
R617	1-216-354-11	METAL OXIDE	2.7	5%	1W	F
R620	1-216-465-11	METAL OXIDE	27K	5%	2W	
R621	1-216-465-11	METAL OXIDE	27K	5%	2W	
R628	1-218-265-21	METAL GLAZE	8.2M	5%	1W	
R629	1-213-096-00	FUSIBLE	330	5%	1W	
			(KV-M2100D/KV-M2101D)			
R801	1-217-778-11	FUSIBLE	1K	5%	1W	F
R802	1-217-819-11	FUSIBLE	2.7K	5%	1/4W	
R803	1-216-352-11	METAL OXIDE	1.8	5%	1W	F
R804	1-216-013-00	METAL GLAZE	33	5%	1/10W	
R805	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R806	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R807	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R808	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R809	1-216-689-11	METAL GLAZE	39K	5%	1/10W	
R810	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R811	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R812	1-217-778-11	FUSIBLE	1K	5%	1W	F
R813	1-212-877-11	FUSIBLE	68	5%	1/4W	
R814	1-215-868-00	METAL OXIDE	680	5%	1W	F
R816	1-247-883-00	CARBON	150K	5%	1/4W	
R817	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R818	1-202-830-00	SOLID	10K	10%	1/2W	
R819	1-249-448-11	CARBON	1.2	5%	1/4W	F
R820	1-217-811-11	FUSIBLE	0.47	5%	1/4W	
R821	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	
R822	1-216-204-00	METAL GLAZE	1.8K	5%	1/8W	
R823	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R826	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R827	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R830	1-216-192-00	METAL GLAZE	560	5%	1/8W	
R850	1-215-882-00	METAL OXIDE	22	5%	2W	F

<VARIABLE RESISTOR>

RV001	1-241-627-11	RES, ADJ, CARBON 1K
RV331	1-241-627-11	RES, ADJ, CARBON 1K
RV501	1-241-630-11	RES, ADJ, CARBON 10K
RV502	1-226-703-11	RES, ADJ, METAL GLAZE 10K
RV503	1-238-019-11	RES, ADJ, CARBON 47K
RV504	1-238-019-11	RES, ADJ, CARBON 47K
RV505	1-238-009-11	RES, ADJ, CARBON 220
RV801	1-241-629-11	RES, ADJ, CARBON 4.7K
RV802	1-238-019-11	RES, ADJ, CARBON 47K

<SWITCH>

S001	1-571-532-21	SWITCH, TACTIL
S002	1-571-532-21	SWITCH, TACTIL
S003	1-571-532-21	SWITCH, TACTIL
S601	⚠ 1-571-433-11	SWITCH, PUSH (AC POWER)

<SPARK GAP>

SG801	1-519-422-11	GAP, SPARK

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and marked ⚠ are critical for safety.
Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION			REMARK
		<TRANSFORMER>			
T601	⚠ 1-449-275-21	S.R.T			
T603	⚠ 1-421-776-11	LFT			
T604	⚠ 1-424-078-11	TRANSFORMER, TRIGGER PULSE			
T605	⚠ 1-424-391-11	TRANSFORMER, LINE FILTER			
T801	1-437-090-00	HDT			
T802	⚠ 1-439-416-51	TRANSFORMER ASSY, FLYBACK (UX-1650)			
		<THERMISTOR>			
THP601	⚠ 1-808-059-31	THERMISTOR, POSITIVE			
		<TUNER>			
TU101	1-465-541-14	TUNER (BT-3C 301) (KV-M2100K/KV-M2101K)			
	1-693-093-11	TUNER (BT-3C 421) (KV-M2100D/KV-M2101D)			
		<CRYSTAL>			
X001	1-577-619-11	VIBRATOR, CRYSTAL			
X331	1-567-307-11	OSCILLATOR, CRYSTAL (KV-M2100K/KV-M2101K)			
	1-535-465-11	LEAD, JUMPER (5MM) (KV-M2100D/KV-M2101D)			
X332	1-567-131-00	OSCILLATOR, CRYSTAL			

****

REF.NO.	PART NO.	DESCRIPTION			REMARK
	*A-1632-135-A	A BOARD, COMPLETE (KV-M2100B) *****************			
	4-200-399-11	SPACER, IC			
TP15	*1-535-084-00	1P TERMINAL PIN			
		<CAPACITOR>			
C001	1-126-101-11	ELECT	100MF	20%	16V
C002	1-106-220-00	MYLAR	0.1MF	10%	100V
C003	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C004	1-123-382-00	ELECT	3.3MF	20%	50V
C005	1-126-103-11	ELECT	470MF	20%	16V
C006	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C007	1-124-907-11	ELECT	10MF	20%	50V
C009	1-124-907-11	ELECT	10MF	20%	50V
C010	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C012	1-126-233-11	ELECT	22MF	20%	50V
C018	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C020	1-124-903-11	ELECT	1MF	20%	50V
C021	1-124-907-11	ELECT	10MF	20%	50V
C023	1-124-907-11	ELECT	10MF	20%	50V
C024	1-124-907-11	ELECT	10MF	20%	50V
C025	1-124-916-11	ELECT	22MF	20%	50V
C026	1-124-903-11	ELECT	1MF	20%	50V
C030	1-124-903-11	ELECT	1MF	20%	50V
C037	1-163-034-00	CERAMIC CHIP	0.033MF		50V
C038	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C039	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C041	1-124-478-11	ELECT	100MF	20%	25V
C055	1-163-075-00	CERAMIC CHIP	0.047MF		50V
C058	1-163-077-00	CERAMIC CHIP	0.1MF	10%	25V
C059	1-163-031-11	CERAMIC CHIP	0.01MF		50V

REF.NO.	PART NO.	DESCRIPTION			REMARK
C062	1-126-101-11	ELECT	100MF	20%	16V
C063	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C101	1-124-907-11	ELECT	10MF	20%	50V
C102	1-124-910-11	ELECT	47MF	20%	50V
C103	1-163-105-00	CERAMIC CHIP	33PF	5%	50V
C104	1-164-665-11	CERAMIC CHIP	0.039MF	10%	50V
C105	1-164-665-11	CERAMIC CHIP	0.039MF	10%	50V
C107	1-124-477-11	ELECT	47MF	20%	16V
C108	1-124-916-11	ELECT	22MF	20%	50V
C109	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C110	1-124-927-11	ELECT	4.7MF	20%	50V
C111	1-124-907-11	ELECT	10MF	20%	50V
C112	1-163-119-00	CERAMIC CHIP	120PF	5%	50V
C113	1-163-109-00	CERAMIC CHIP	47PF	5%	50V
C114	1-163-127-00	CERAMIC CHIP	270PF	5%	50V
C115	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C117	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C118	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C119	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C120	1-163-173-00	CERAMIC CHIP	47PF	5%	50V
C121	1-163-029-11	CERAMIC CHIP	0.0047MF		50V
C122	1-163-029-11	CERAMIC CHIP	0.0047MF		50V
C123	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C125	1-124-917-11	ELECT	33MF	20%	50V
C126	1-124-925-11	ELECT	2.2MF	20%	50V
C128	1-163-025-11	CERAMIC CHIP	0.001MF		50V
C129	1-136-171-00	FILM	0.33MF	5%	50V
C130	1-136-171-00	FILM	0.33MF	5%	50V
C131	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C132	1-163-029-11	CERAMIC CHIP	0.0047MF		50V
C133	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C134	1-136-562-11	MYLAR	0.0082MF	10%	400V
C135	1-163-033-00	CERAMIC CHIP	0.022MF		50V
C136	1-163-033-00	CERAMIC CHIP	0.022MF		50V
C139	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C140	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C141	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C142	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C143	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C144	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C145	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C146	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C147	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C148	1-164-665-11	CERAMIC CHIP	0.039MF	10%	50V
C149	1-126-101-11	ELECT	100MF	20%	16V
C151	1-124-925-11	ELECT	2.2MF	20%	50V
C154	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C156	1-163-215-00	CERAMIC CHIP	0.0027MF	5%	50V
C157	1-124-910-11	ELECT	47MF	20%	50V
C161	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C163	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C201	1-124-916-11	ELECT	22MF	20%	50V
C202	1-124-925-11	ELECT	2.2MF	20%	50V
C203	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C204	1-124-480-11	ELECT	470MF	20%	25V
C206	1-163-011-11	CERAMIC CHIP	0.0015MF	10%	50V
C207	1-124-925-11	ELECT	2.2MF	20%	50V
C208	1-126-104-11	ELECT	470MF	20%	35V
C209	1-124-910-11	ELECT	47MF	20%	50V
C210	1-106-228-00	MYLAR	0.22MF	10%	100V

he components identified by ading and marked ⚠ are critical r safety. eplace only with part number ecified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO.	PART NO.	DESCRIPTION			REMARK
C302	1-163-059-00	CERAMIC CHIP	0.01MF		50V
C303	1-163-059-00	CERAMIC CHIP	0.01MF		50V
C304	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C305	1-124-910-11	ELECT	47MF	20%	50V
C306	1-106-220-00	MYLAR	0.1MF	10%	100V
C307	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C308	1-124-910-11	ELECT	47MF	20%	50V
C309	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C311	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C312	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C313	1-163-105-00	CERAMIC CHIP	33PF	5%	50V
C314	1-163-103-00	CERAMIC CHIP	27PF	5%	50V
C316	1-163-377-11	CERAMIC CHIP	100PF	5%	50V
C317	1-163-093-00	CERAMIC CHIP	10PF	5%	50V
C318	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C319	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C321	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C323	1-163-055-00	CERAMIC CHIP	0.0047MF	10%	50V
C329	1-131-367-00	TANTALUM	22MF	10%	16V
C330	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C331	1-124-927-11	ELECT	4.7MF	20%	50V
C332	1-130-783-00	MYLAR	0.33MF	10%	100V
C333	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C334	1-163-063-00	CERAMIC CHIP	0.022MF	10%	50V
C335	1-163-063-00	CERAMIC CHIP	0.022MF	10%	50V
C336	1-163-119-00	CERAMIC CHIP	120PF	5%	50V
C337	1-130-834-00	MYLAR	1MF	10%	63V
C338	1-106-220-00	MYLAR	0.1MF	10%	100V
C339	1-106-220-00	MYLAR	0.1MF	10%	100V
C340	1-162-568-11	CERAMIC CHIP	0.33MF	10%	16V
C341	1-130-783-00	MYLAR	0.33MF	10%	100V
C343	1-106-383-00	MYLAR	0.047MF	10%	100V
C344	1-130-783-00	MYLAR	0.33MF	10%	100V
C345	1-163-187-00	CERAMIC CHIP	180PF	5%	50V
C346	1-163-033-00	CERAMIC CHIP	0.022MF		50V
C347	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C348	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C349	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C352	1-106-375-12	MYLAR	0.022MF	10%	250V
C353	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C354	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C355	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C356	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C357	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C358	1-124-556-11	ELECT	2200MF	20%	16V
C359	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C360	1-124-903-11	ELECT	1MF	20%	50V
C361	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C367	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C370	1-124-916-11	ELECT	22MF	20%	50V
C388	1-106-220-00	MYLAR	0.1MF	10%	100V
C401	1-124-910-11	ELECT	47MF	20%	50V
C403	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C404	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C430	1-164-336-11	CERAMIC CHIP	0.33MF		25V
C431	1-124-910-11	ELECT	47MF	20%	50V
C432	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C433	1-124-916-11	ELECT	22MF	20%	25V
C434	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C475	1-124-916-11	ELECT	22MF	20%	50V

REF.NO.	PART NO.	DESCRIPTION			REMARK
C476	1-108-702-11	MYLAR	0.068MF	10%	100V
C490	1-124-910-11	ELECT	47MF	20%	50V
C499	1-163-205-00	CERAMIC CHIP	0.001MF	10%	50V
C501	1-163-181-00	CERAMIC CHIP	100PF	5%	50V
C502	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C503	1-163-181-00	CERAMIC CHIP	100PF	5%	50V
C504	1-124-122-11	ELECT	100MF	20%	50V
C505	1-124-916-11	ELECT	22MF	20%	50V
C506	1-106-228-00	MYLAR	0.22MF	10%	100V
C507	1-124-557-11	ELECT	1000MF	20%	25V
C508	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C509	1-162-568-11	CERAMIC CHIP	0.33MF	10%	16V
C510	1-163-081-00	CERAMIC CHIP	0.22MF		25V
C511	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C512	1-108-702-11	MYLAR	0.068MF	10%	100V
C513	1-124-927-11	ELECT	4.7MF	20%	50V
C514	1-136-298-00	FILM	0.0033MF	2%	100V
C515	1-163-035-00	CERAMIC CHIP	0.047MF		50V
C516	1-163-113-00	CERAMIC CHIP	68PF	5%	50V
C517	1-163-033-00	CERAMIC CHIP	0.022MF		50V
C520	1-163-033-00	CERAMIC CHIP	0.022MF		50V
C521	1-131-377-00	TANTALUM	10MF	10%	10V
C522	1-163-029-11	CERAMIC CHIP	0.0047MF		50V
C523	1-163-029-11	CERAMIC CHIP	0.0047MF		50V
C524	1-106-228-00	MYLAR	0.22MF	10%	100V
C525	1-106-375-12	MYLAR	0.022MF	10%	250V
C526	1-124-910-11	ELECT	47MF	20%	50V
C527	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C528	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C529	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C530	1-163-197-00	CERAMIC CHIP	470PF	5%	50V
C531	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C532	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C535	1-163-029-11	CERAMIC CHIP	0.0047MF		50V
C536	1-124-927-11	ELECT	4.7MF	20%	50V
C537	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C538	1-124-282-00	ELECT	22MF	20%	16V
C540	1-163-111-00	CERAMIC CHIP	56PF	5%	50V
C601	⚠ 1-161-964-61	CERAMIC	0.0047MF		250V
C602	⚠ 1-161-964-61	CERAMIC	0.0047MF		250V
C603	1-162-599-12	CERAMIC	0.0047MF		250V
C604	1-125-318-00	ELECT(BLOCK)	220MF	20%	400V
C605	1-161-754-00	CERAMIC	0.001MF	10%	2KV
C606	1-104-728-11	FILM	0.047MF	10%	630V
C607	1-106-367-00	MYLAR	0.01MF	10%	400V
C608	1-161-753-00	CERAMIC	470PF	10%	1KV
C609	1-124-347-00	ELECT	100MF	20%	160V
C610	1-124-557-11	ELECT	1000MF	20%	25V
C612	1-102-228-00	CERAMIC	470PF	10%	500V
C614	1-126-101-11	ELECT	100MF	20%	16V
C618	1-124-916-11	ELECT	22MF	20%	50V
C621	⚠ 1-136-517-11	FILM	0.22MF	20%	300V
C623	⚠ 1-164-246-61	CERAMIC	0.0022MF	20%	400V
C631	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C632	⚠ 1-161-964-61	CERAMIC	0.0047MF		250V
C633	1-161-742-00	CERAMIC	0.0022MF	20%	400V
C801	1-101-821-00	CERAMIC	0.0022MF		500V
C802	1-102-244-00	CERAMIC	220PF	10%	500V
C804	1-126-101-11	ELECT	100MF	20%	16V
C805	1-136-080-00	FILM	0.011MF	3%	1KV

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and marked ⚠ are critical for safety.
Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION			REMARK
C806	1-136-187-11	FILM	0.047MF	10%	250V
C807	1-161-754-00	CERAMIC	0.001MF	10%	2KV
C808	1-136-933-11	FILM	1MF	5%	100V
C809	1-102-212-00	CERAMIC	820PF	10%	500V
C811	1-136-540-11	FILM	0.82MF	5%	160V
C812	1-124-634-11	ELECT	1MF	20%	250V
C813	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C814	1-126-542-11	ELECT	4.7MF	20%	160V
C815	1-124-916-11	ELECT	22MF	20%	50V
C816	1-102-228-00	CERAMIC	470PF	10%	500V
C817	1-123-948-00	ELECT	22MF	20%	250V
C818	1-106-375-12	MYLAR	0.022MF	10%	250V
C819	1-162-114-00	CERAMIC	0.0047MF		2KV
C820	1-162-318-11	CERAMIC	0.001MF	10%	500V
C821	1-126-101-11	ELECT	100MF	20%	16V
C822	1-162-318-11	CERAMIC	0.001MF	10%	500V
C823	1-126-233-11	ELECT	22MF	20%	50V
C824	1-124-913-11	ELECT	470MF	20%	50V
C825	1-136-204-11	MYLAR	0.015MF	10%	400V
C840	1-124-902-00	ELECT	0.47MF	20%	50V
C850	1-126-101-11	ELECT	100MF	20%	16V
		<FILTER>			
CD101	1-579-110-11	DISCRIMINATOR, CERAMIC			
CF501	1-409-430-11	TRAP, CERAMIC			
SWF101	1-579-273-11	FILTER, SURFACE WAVE			
SWF102	1-404-711-11	SAWF			
SWF103	1-404-712-11	SAWF			
XF501	1-527-840-00	FILTER, CERAMIC			
		<CONNECTOR>			
CNA21	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)			
CNA22	*1-568-878-51	PIN, CONNECTOR 3P			
CNA61 ⚠	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P			
CNA62 ⚠	*1-580-844-11	PIN, CONNECTOR (POWER)			
CNA63	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P			
CNA64	*1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P			
CNA81	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P			
CNA82	*1-580-798-11	CONNECTOR PIN (DY) 6P			
		<TRIMMER>			
CT332	1-141-418-11	CAP, ADJ			
		<DIODE>			
D002	8-719-920-55	DIODE SPR-54MVW			
	*4-200-407-01	HOLDER, LED; D002			
D004	8-719-914-44	DIODE DAP202K			
D006	8-719-400-18	DIODE MA152WK			
D007	8-719-400-18	DIODE MA152WK			
D008	8-719-105-82	DIODE RD5.1M-B2			
D009	8-719-105-82	DIODE RD5.1M-B2			
D011	8-719-911-19	DIODE 1SS119			
D020	8-719-911-19	DIODE 1SS119			
D101	8-719-110-03	DIODE RD7.5ESB2			
D102	8-719-110-03	DIODE RD7.5ESB2			
D103	8-719-110-03	DIODE RD7.5ESB2			
D105	8-719-400-18	DIODE MA152WK			
D110	8-719-109-85	DIODE RD5.1ESB2			
D301	8-719-914-44	DIODE DAP202K			

REF.NO.	PART NO.	DESCRIPTION	REMARK
D302	8-719-800-76	DIODE 1SS226	
D303	8-719-914-44	DIODE DAP202K	
D305	8-719-800-76	DIODE 1SS226	
D306	8-719-400-18	DIODE MA152WK	
D313	8-719-800-76	DIODE 1SS226	
D321	8-719-109-89	DIODE RD5.6ESB2	
D324	8-719-914-44	DIODE DAP202K	
D333	8-719-911-19	DIODE 1SS119	
D334	8-719-914-44	DIODE DAP202K	
D402	8-719-109-97	DIODE RD6.8ESB2	
D403	8-719-109-97	DIODE RD6,8ESB2	
D404	8-719-109-97	DIODE RD6.8ESB2	
D405	8-719-110-09	DIODE RD8.2ESB3	
D406	8-719-110-09	DIODE RD8.2ESB3	
D411	8-719-109-97	DIODE RD6.8ESB2	
D412	8-719-010-34	DIODE JZ-4.7BSC	
D417	8-719-914-44	DIODE DAP202K	
D418	8-719-914-44	DIODE DAP202K	
D426	8-719-911-19	DIODE 1SS119	
D427	8-719-911-19	DIODE 1SS119	
D450	8-719-109-97	DIODE RD6.8ESB2	
D501	8-719-300-33	DIODE RU-3AM	
D503	8-719-911-19	DIODE 1SS119	
D504	8-719-400-18	DIODE MA152WK	
D511	8-719-903-27	DIODE 1SS168	
D519	8-719-400-18	DIODE MA152WK	
D601	8-719-311-72	DIODE RBV-406H-01	
D602	8-719-976-64	DIODE RGP02-17	
D603	8-719-908-03	DIODE GP08D	
D604	8-719-928-08	DIODE ERD28-08S	
D605	8-719-300-33	DIODE RU-3AM	
D606	8-719-980-78	DIODE ERA83-006	
D607	8-719-300-33	DIODE RU-3AM	
D608	8-719-300-33	DIODE RU-3AM	
D609	8-719-908-03	DIODE GP08D	
D610	8-719-908-03	DIODE GP08D	
D611	8-719-312-40	DIODE R2K	
D801	8-719-945-80	DIODE ERC06-15S	
D802	8-719-928-08	DIODE ERD28-08S	
D803	8-719-300-33	DIODE RU-3AM	
D805	8-719-300-33	DIODE RU-3AM	
D806	8-719-976-64	DIODE RGP02-17	
D807	8-719-300-33	DIODE RU-3AM	
D808	8-719-300-33	DIODE RU-3AM	
D809	8-719-400-18	DIODE MA152WK	
D820	8-719-911-19	DIODE 1SS119	
		<DELAY LINE>	
DL301	1-236-062-11	MODULE, Y DELAY LINE	
		<FUSE>	
F601 ⚠	1-576-231-21	FUSE (H.B.C.) 4A/250V	
	1-533-230-11	HOLDER, FUSE; F601	
	4-201-057-01	COVER, FUSE; F601	
		<IC>	
IC001	8-759-062-07	IC PCA84C840P/016	
IC002	8-759-043-86	IC ST24C02AB1	
IC003	8-741-139-80	IC BX-1398	
IC004	8-759-805-37	IC L78LR05D-MA	

The components identified by shading and marked ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO.	PART NO.	DESCRIPTION				REMARK
IC005	8-759-157-40	DIODE UPC574J				
IC101	8-759-521-32	IC TDA3843-V3				
IC102	8-759-044-41	IC TDA3827/V3				
IC201	8-759-502-74	IC TDA7245				
IC301	8-759-084-91	IC TDA4661/V2				
IC302	8-759-512-04	IC TDA3505-V1				
IC331	8-759-521-22	IC TDA4650/V4				
IC501	8-759-113-13	IC UPC1498H				
	*4-389-343-11	SPRING; IC501				
IC502	8-759-515-72	IC TDA8304				
IC601	8-749-901-65	IC STR54041				
	*4-368-683-11	SPRING; IC601				
IC801	8-759-945-58	IC RC4558P				
IC802	8-759-604-39	IC M5F78M12L				
	*4-389-343-11	SPRING; IC802				
		<JACK>				
J401	1-561-534-00	SOCKET, PIN 21P				
		<COIL>				
L001	1-408-409-00	INDUCTOR	10UH			
L102	1-408-409-00	INDUCTOR	10UH			
L103	1-408-399-00	INDUCTOR	1.5UH			
L104	1-408-399-00	INDUCTOR	1.5UH			
L106	1-408-415-00	INDUCTOR	33UH			
L107	1-408-410-00	INDUCTOR	12UH			
L110	1-408-403-00	INDUCTOR	3.3UH			
L301	1-408-409-00	INDUCTOR	10UH			
L302	1-408-419-00	INDUCTOR	68UH			
L303	1-408-425-00	INDUCTOR	220UH			
L331	1-404-554-11	COIL				
L406	1-408-417-00	INDUCTOR	47UH			
L501	1-404-558-11	COIL				
L502	1-408-406-00	INDUCTOR	5.6UH			
L504	1-404-556-11	COIL				
L506	1-408-411-00	INDUCTOR	15UH			
L801	1-407-365-00	COIL,CHOKE				
L802	1-420-872-00	COIL, AIR CORE				
L804	1-459-390-00	COIL (WITH CORE)				
L805	1-459-105-21	COIL(WITH CORE)				
L806	1-459-652-12	HLC				
L807	1-408-239-00	INDUCTOR	4.7MMH			
L808	1-408-226-00	INDUCTOR	82UH			
		<VARIABLE COIL>				
LV301	1-404-554-11	COIL				
		<IC LINK>				
PS801 ⚠	1-532-637-00	LINK, IC (ICP-N25) 1A				
		<TRANSISTOR>				
Q001	8-729-230-49	TRANSISTOR 2SC2712-YG				
Q003	8-729-901-01	TRANSISTOR DTC144EK				
Q004	8-729-230-49	TRANSISTOR 2SC2712-YG				
Q005	8-729-923-54	TRANSISTOR DTA143TK				
Q006	8-729-922-66	TRANSISTOR 2SC2410SN				
Q007	8-729-230-49	TRANSISTOR 2SC2712-YG				
Q015	8-729-230-49	TRANSISTOR 2SC2712-YG				
Q016	8-729-901-47	TRANSISTOR DTA143EK				

REF.NO.	PART NO.	DESCRIPTION				REMARK
Q017	8-729-216-22	TRANSISTOR 2SA1162G				
Q019	8-729-901-06	TRANSISTOR DTA144EK				
Q020	8-729-901-00	TRANSISTOR DTC124EK				
Q101	8-729-901-47	TRANSISTOR DTA143EK				
Q102	8-729-901-47	TRANSISTOR DTA143EK				
Q103	8-729-901-47	TRANSISTOR DTA143EK				
Q104	8-729-230-49	TRANSISTOR 2SC2712-YG				
Q105	8-729-901-01	TRANSISTOR DTC144EK				
Q106	8-729-230-49	TRANSISTOR 2SC2712-YG				
Q107	8-729-216-22	TRANSISTOR 2SA1162G				
Q108	8-729-907-06	TRANSISTOR BF199				
Q109	8-729-902-99	TRANSISTOR DTC114TK				
Q110	8-729-230-49	TRANSISTOR 2SC2712-YG				
Q111	8-729-900-53	TRANSISTOR DTC114EK				
Q112	8-729-230-49	TRANSISTOR 2SC2712-YG				
Q113	8-729-901-00	TRANSISTOR DTC124EK				
Q114	8-729-901-00	TRANSISTOR DTC124EK				
Q115	8-729-901-00	TRANSISTOR DTC124EK				
Q123	8-729-230-49	TRANSISTOR 2SC2712-YG				
Q140	8-729-907-06	TRANSISTOR BF199				
Q141	8-729-014-99	TRANSISTOR BF959-AMMO				
Q302	8-729-230-49	TRANSISTOR 2SC2712-YG				
Q303	8-729-230-49	TRANSISTOR 2SC2712-YG				
Q304	8-729-230-49	TRANSISTOR 2SC2712-YG				
Q305	8-729-230-49	TRANSISTOR 2SC2712-YG				
Q307	8-729-216-22	TRANSISTOR 2SA1162G				
Q308	8-729-015-90	TRANSISTOR 2SD1383K				
Q310	8-729-230-49	TRANSISTOR 2SC2712-YG				
Q311	8-729-216-22	TRANSISTOR 2SA1162G				
Q401	8-729-230-49	TRANSISTOR 2SC2712-YG				
Q457	8-729-216-22	TRANSISTOR 2SA1162G				
Q501	8-729-901-00	TRANSISTOR DTC124EK				
Q502	8-729-901-05	TRANSISTOR DTA124EK				
Q503	8-729-901-01	TRANSISTOR DTC144EK				
Q504	8-729-230-49	TRANSISTOR 2SC2712-YG				
Q505	8-729-216-22	TRANSISTOR 2SA1162G				
Q601	8-729-906-74	TRANSISTOR BC637-16				
Q801	8-729-119-80	TRANSISTOR 2SC2688-LK				
Q802	8-729-925-64	TRANSISTOR BU508AS2				
Q803	8-729-202-03	TRANSISTOR 2SD1408-Y				
		<RESISTOR>				
JR003	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR004	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR005	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR006	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR009	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR010	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR011	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR012	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR015	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR016	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR017	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR018	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR019	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR020	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR021	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR026	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR034	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR035	1-216-295-00	METAL GLAZE	0	5%	1/10W	

REF.NO.	PART NO.	DESCRIPTION				REMARK
JR036	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR037	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR038	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR039	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR050	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR051	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR052	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR060	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR099	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR101	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR102	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR103	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR104	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR105	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR106	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR107	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR108	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR109	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR110	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR111	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR117	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR118	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR119	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR123	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR125	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR126	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR127	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR128	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR129	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR130	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR131	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR133	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR134	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR135	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR136	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR137	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR139	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR140	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR141	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR144	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR147	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR148	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR149	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR150	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR155	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR181	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR182	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR183	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR184	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR186	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JRC138	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R001	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R002	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R003	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R004	1-216-083-00	METAL GLAZE	27K	5%	1/10W	
R005	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W	
R006	1-216-254-00	METAL GLAZE	220K	5%	1/8W	
R007	1-216-190-00	METAL GLAZE	470	5%	1/8W	
R008	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R009	1-216-049-00	METAL GLAZE	1K	5%	1/10W	

REF.NO.	PART NO.	DESCRIPTION				REMARK
R010	1-216-198-00	METAL GLAZE	1K	5%	1/8W	
R011	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R012	1-216-248-00	METAL GLAZE	120K	5%	1/8W	
R013	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R014	1-216-689-11	METAL GLAZE	39K	5%	1/10W	
R015	1-216-230-00	METAL GLAZE	22K	5%	1/8W	
R016	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R017	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R018	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R019	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R020	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R021	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R022	1-216-198-00	METAL GLAZE	1K	5%	1/8W	
R023	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R024	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R025	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R026	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R028	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R029	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R030	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R031	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R032	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R033	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R034	1-216-238-00	METAL GLAZE	47K	5%	1/8W	
R035	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R038	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R040	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R041	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R042	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R043	1-215-900-11	METAL OXIDE	22K	5%	2W	
R044	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R045	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R046	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R047	1-216-079-00	METAL GLAZE	18K	5%	1/10W	
R048	1-216-202-00	METAL GLAZE	1.5K	5%	1/8W	
R049	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R050	1-216-250-00	METAL GLAZE	150K	5%	1/8W	
R051	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R052	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R053	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R054	1-249-395-11	CARBON	15	5%	1/4W	
R055	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R056	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R058	1-249-434-11	CARBON	27K	5%	1/4W	
R059	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R060	1-216-234-00	METAL GLAZE	33K	5%	1/8W	
R061	1-216-079-00	METAL GLAZE	18K	5%	1/10W	
R062	1-216-242-00	METAL GLAZE	68K	5%	1/8W	
R064	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R075	1-216-248-00	METAL GLAZE	120K	5%	1/8W	
R076	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W	
R077	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R078	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R079	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R081	1-216-198-00	METAL GLAZE	1K	5%	1/8W	
R082	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R083	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R084	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R086	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R087	1-216-027-00	METAL GLAZE	120	5%	1/10W	

REF.NO.	PART NO.	DESCRIPTION				REMARK
R094	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R095	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R096	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R097	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R099	1-216-228-00	METAL GLAZE	18K	5%	1/8W	
R100	1-216-017-00	METAL GLAZE	47	5%	1/10W	
R101	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R102	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R103	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R104	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R105	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R106	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R109	1-216-190-00	METAL GLAZE	470	5%	1/8W	
R110	1-249-437-11	CARBON	47K	5%	1/4W	
R111	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R112	1-249-411-11	CARBON	330	5%	1/4W	
R113	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R114	1-216-238-00	METAL GLAZE	47K	5%	1/8W	
R115	1-216-045-00	METAL GLAZE	680	5%	1/10W	
R116	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R117	1-216-222-00	METAL GLAZE	10K	5%	1/8W	
R118	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R119	1-216-045-00	METAL GLAZE	680	5%	1/10W	
R120	1-216-043-00	METAL GLAZE	560	5%	1/10W	
R121	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R122	1-216-043-00	METAL GLAZE	560	5%	1/10W	
R123	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R124	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R125	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R126	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R128	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R129	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R130	1-249-409-11	CARBON	220	5%	1/4W	
R131	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R132	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R134	1-216-117-00	METAL GLAZE	680K	5%	1/10W	
R135	1-247-887-00	CARBON	220K	5%	1/4W	
R136	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R138	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R139	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R140	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R141	1-216-021-00	METAL GLAZE	68	5%	1/10W	
R142	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R143	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R144	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R145	1-216-031-00	METAL GLAZE	180	5%	1/10W	
R146	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R147	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R148	1-216-017-00	METAL GLAZE	47	5%	1/10W	
R149	1-216-182-00	METAL GLAZE	220	5%	1/8W	
R151	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R152	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R153	1-215-867-00	METAL OXIDE	470	5%	1W	
R154	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R155	1-216-250-00	METAL GLAZE	150K	5%	1/8W	
R156	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R157	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R199	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R201	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R202	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R203	1-216-298-00	METAL GLAZE	2.2	5%	1/10W	
R204	1-247-741-11	CARBON	150	5%	1/2W	
R205	1-216-083-00	METAL GLAZE	27K	5%	1/10W	
R206	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R207	1-216-298-00	METAL GLAZE	2.2	5%	1/10W	
R303	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R304	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R305	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R306	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	
R307	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R308	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R309	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R310	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R311	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R312	1-216-174-00	METAL GLAZE	100	5%	1/8W	
R313	1-216-174-00	METAL GLAZE	100	5%	1/8W	
R314	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R315	1-216-047-00	METAL GLAZE	820	5%	1/10W	
R316	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R317	1-216-202-00	METAL GLAZE	1.5K	5%	1/8W	
R320	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R321	1-216-023-00	METAL GLAZE	82	5%	1/10W	
R322	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R323	1-216-192-00	METAL GLAZE	560	5%	1/8W	
R324	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R325	1-249-410-11	CARBON	270	5%	1/4W	
R326	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R327	1-216-121-00	METAL GLAZE	1M	5%	1/10W	
R328	1-216-001-00	METAL GLAZE	10	5%	1/10W	
R329	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R330	1-216-244-00	METAL GLAZE	82K	5%	1/8W	
R331	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R332	1-216-270-00	METAL GLAZE	1M	5%	1/8W	
R333	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R334	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W	
R335	1-216-001-00	METAL GLAZE	10	5%	1/10W	
R336	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	
R337	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R338	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R341	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R342	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R346	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R347	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R348	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R349	1-216-029-00	METAL GLAZE	150	5%	1/10W	
R350	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R351	1-216-043-00	METAL GLAZE	560	5%	1/10W	
R352	1-216-039-00	METAL GLAZE	390	5%	1/10W	
R353	1-249-438-11	CARBON	56K	5%	1/4W	
R354	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R355	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R356	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R357	1-216-039-00	METAL GLAZE	390	5%	1/10W	
R360	1-216-001-00	METAL GLAZE	10	5%	1/10W	
R363	1-216-222-00	METAL GLAZE	10K	5%	1/8W	
R364	1-216-222-00	METAL GLAZE	10K	5%	1/8W	
R399	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R402	1-216-172-00	METAL GLAZE	82	5%	1/8W	
R403	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R404	1-216-025-00	METAL GLAZE	100	5%	1/10W	

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and marked ⚠ are critical for safety.
Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION				REMARK
R405	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R406	1-216-226-00	METAL GLAZE	15K	5%	1/8W	
R407	1-216-226-00	METAL GLAZE	15K	5%	1/8W	
R408	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R409	1-216-021-00	METAL GLAZE	68	5%	1/10W	
R411	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R412	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R413	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R414	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R420	1-216-182-00	METAL GLAZE	220	5%	1/8W	
R423	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R424	1-216-222-00	METAL GLAZE	10K	5%	1/8W	
R425	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R426	1-216-045-00	METAL GLAZE	680	5%	1/10W	
R427	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R428	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R430	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R432	1-249-403-11	CARBON	68	5%	1/4W	
R433	1-216-083-00	METAL GLAZE	27K	5%	1/10W	
R434	1-216-029-00	METAL GLAZE	150	5%	1/10W	
R435	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R436	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R437	1-216-101-00	METAL GLAZE	150K	5%	1/10W	
R501	1-216-214-00	METAL GLAZE	4.7K	5%	1/8W	
R502	1-247-743-11	CARBON	220	5%	1/2W	
R503	1-249-437-11	CARBON	47K	5%	1/4W	
R504	1-216-017-00	METAL GLAZE	47	5%	1/10W	
R505	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R507	1-216-350-11	METAL OXIDE	1.2	5%	1W	F
R508	1-215-867-00	METAL OXIDE	470	5%	1W	
R509	1-216-294-00	METAL GLAZE	10M	5%	1/8W	
R510	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R511	1-216-244-00	METAL GLAZE	82K	5%	1/8W	
R512	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R513	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R514	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R515	1-216-683-11	METAL CHIP	22K	0.50%	1/10W	
R516	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R517	1-216-027-00	METAL GLAZE	120	5%	1/10W	
R518	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R519	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R520	1-216-258-00	METAL GLAZE	330K	5%	1/8W	
R521	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R522	1-215-863-11	METAL OXIDE	100	5%	1W	
R523	1-247-754-11	CARBON	1.5K	5%	1/2W	
R524	1-216-099-00	METAL GLAZE	120K	5%	1/10W	
R525	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R526	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R527	1-215-869-11	METAL OXIDE	1K	5%	1W	
R528	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R529	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R530	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R532	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R533	1-216-133-00	METAL GLAZE	3.3M	5%	1/10W	
R534	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R535	1-216-107-00	METAL GLAZE	270K	5%	1/10W	
R538	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R539	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R542	1-216-025-00	METAL GLAZE	100	5%	1/10W	

REF.NO.	PART NO.	DESCRIPTION				REMARK
R543	1-249-408-11	CARBON	180	5%	1/4W	
R545	1-216-286-00	METAL GLAZE	4.7M	5%	1/8W	
R548	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R601 ⚠	1-205-909-11	WIREWOUND	3.3	5%	10W	
R602	1-214-923-00	CARBON	270K	5%	1/2W	
R603	1-215-903-11	METAL OXIDE	68K	5%	2W	
R604	1-247-752-11	CARBON	1K	5%	1/2W	
R606	1-212-877-11	FUSIBLE	68	5%	1/4W	
R607	1-249-430-11	CARBON	12K	5%	1/4W	
R608	1-215-884-11	METAL OXIDE	47	5%	2W	
R609	1-207-905-00	WIREWOUND	0.27	10%	2W	
R611	1-214-915-00	CARBON	120K	5%	1/2W	
R612	1-219-137-11	FUSIBLE	0.33	5%	1/4W	
R613	1-217-811-11	FUSIBLE	0.47	5%	1/4W	
R614	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R615	1-216-013-00	METAL GLAZE	33	5%	1/10W	
R617	1-216-354-11	METAL OXIDE	2.7	5%	1W	F
R620	1-216-465-11	METAL OXIDE	27K	5%	2W	
R621	1-216-465-11	METAL OXIDE	27K	5%	2W	
R628	1-218-265-11	METAL GLAZE	8.2M	5%	1W	
R801	1-217-778-11	FUSIBLE	1K	5%	1W	F
R802	1-217-819-11	FUSIBLE	2.7K	5%	1/4W	
R803	1-216-352-11	METAL OXIDE	1.8	5%	1W	F
R804	1-216-013-00	METAL GLAZE	33	5%	1/10W	
R805	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R806	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R807	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R808	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R809	1-216-689-11	METAL GLAZE	39K	5%	1/10W	
R810	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R811	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R812	1-217-778-11	FUSIBLE	1K	5%	1W	F
R813	1-212-877-11	FUSIBLE	68	5%	1/4W	
R814	1-215-868-00	METAL OXIDE	680	5%	1W	F
R816	1-247-883-00	CARBON	150K	5%	1/4W	
R817	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R818	1-202-830-00	SOLID	10K	10%	1/2W	
R819	1-249-448-11	CARBON	1.2	5%	1/4W	F
R820	1-217-811-11	FUSIBLE	0.47	5%	1/4W	
R821	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	
R822	1-216-204-00	METAL GLAZE	1.8K	5%	1/8W	
R823	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R826	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R827	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R830	1-216-192-00	METAL GLAZE	560	5%	1/8W	
R850	1-215-882-00	METAL OXIDE	22	5%	2W	F

<VARIABLE RESISTOR>

RV001	1-241-627-11	RES, ADJ, CARBON 1K
RV331	1-241-627-11	RES, ADJ, CARBON 1K
RV501	1-241-630-11	RES, ADJ, CARBON 10K
RV502	1-226-703-11	RES, ADJ, METAL GLAZE 10K
RV503	1-238-019-11	RES, ADJ, CARBON 47K
RV504	1-238-019-11	RES, ADJ, CARBON 47K
RV505	1-238-009-11	RES, ADJ, CARBON 220
RV801	1-241-629-11	RES, ADJ, CARBON 4.7K
RV802	1-238-019-11	RES, ADJ, CARBON 47K

The components identified by shading and marked ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

A KV-M2100B

REF.NO.	PART NO.	DESCRIPTION	REMARK
		<SWITCH>	
S001	1-571-532-21	SWITCH, TACTIL	
S002	1-571-532-21	SWITCH, TACTIL	
S003	1-571-532-21	SWITCH, TACTIL	
S601 ⚠	1-571-433-11	SWITCH, PUSH (AC POWER)	
		<SPARK GAP>	
SG801	1-519-422-11	GAP, SPARK	
		<TRANSFORMER>	
T601 ⚠	1-449-275-21	S.R.T	
T604 ⚠	1-424-078-11	TRANSFORMER, TRIGGER PULSE	
T605 ⚠	1-421-862-11	LFT	
T801	1-437-090-00	HDT	
T802 ⚠	1-439-493-11	TRANSFORMER ASSY, FLYBACK (UX-1650)	
		<THERMISTOR>	
THP601 ⚠	1-808-059-31	THERMISTOR, POSITIVE	
		<TUNER>	
TU101	1-693-081-11	TUNER (BT-RC 421)	
		<CRYSTAL>	
X001	1-577-619-11	VIBRATOR, CRYSTAL	
X332	1-567-131-00	OSCILLATOR, CRYSTAL	

****

REF.NO.	PART NO.	DESCRIPTION	REMARK
	*A-1632-140-A	A BOARD, COMPLETE *****************	(KV-M2100A)
	*A-1632-141-A	A BOARD, COMPLETE *****************	(KV-M2100E)
	*A-1632-122-A	A BOARD, COMPLETE *****************	(KV-M2101U)
	4-200-399-01	SPACER , IC	
TP15	*1-535-084-00	1P TERMINAL PIN	
		<CAPACITOR>	
C001	1-126-101-11	ELECT 100MF	20% 16V
C002	1-106-220-00	MYLAR 0.1MF	10% 100V
C003	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C004	1-123-382-00	ELECT 3.3MF	20% 50V
C005	1-126-103-11	ELECT 470MF	20% 16V
C006	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C007	1-124-907-11	ELECT 10MF	20% 50V
C009	1-124-907-11	ELECT 10MF	20% 50V
C010	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C012	1-126-233-11	ELECT 22MF	20% 50V
C018	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C020	1-124-903-11	ELECT 1MF	20% 50V
C021	1-124-907-11	ELECT 10MF	20% 50V
C023	1-124-907-11	ELECT 10MF	20% 50V
C024	1-124-907-11	ELECT 10MF	20% 50V
C025	1-124-916-11	ELECT 22MF	20% 50V
C026	1-124-903-11	ELECT 1MF	20% 50V
C030	1-124-903-11	ELECT 1MF	20% 50V
C037	1-163-034-00	CERAMIC CHIP 0.033MF	50V
C038	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C039	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C041	1-124-478-11	ELECT 100MF	20% 25V
C055	1-163-075-00	CERAMIC CHIP 0.047MF	50V
C058	1-162-623-11	CERAMIC CHIP 0.1MF	10% 25V
C059	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C062	1-126-101-11	ELECT 100MF	20% 16V
C063	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C101	1-124-477-11	ELECT 47MF	20% 16V
C102	1-124-910-11	ELECT 47MF	20% 50V
C103	1-163-105-00	CERAMIC CHIP 33PF	5% 50V
C104	1-164-665-11	CERAMIC CHIP 0.039MF	10% 50V
C105	1-164-665-11	CERAMIC CHIP 0.039MF	10% 50V
C106	1-163-031-11	CERAMIC CHIP 0.01MF	50V (KV-M2100A ONLY)
C107	1-124-477-11	ELECT 47MF	20% 16V
C112	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C114	1-163-109-00	CERAMIC CHIP 47PF	5% 50V
C115	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C120	1-163-173-00	CERAMIC CHIP 47PF	5% 50V
C123	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C125	1-124-917-11	ELECT 33MF	20% 50V
C128	1-163-025-11	CERAMIC CHIP 0.001MF	50V
C130	1-136-171-00	FILM 0.33MF	5% 50V
C131	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C132	1-163-029-11	CERAMIC CHIP 0.0047MF	50V
C133	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C134	1-136-562-11	MYLAR 0.0082MF	10% 400V
C135	1-163-033-00	CERAMIC CHIP 0.022MF	50V
C136	1-163-033-00	CERAMIC CHIP 0.022MF	50V
C138	1-216-295-00	METAL GLAZE 0	5% 1/10W
C139	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C140	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C141	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C142	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C143	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C144	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C145	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V (KV-M2100A/KV-M2100E ONLY)
C146	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V (KV-M2100A/KV-M2100E ONLY)
C147	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V (KV-M2100A/KV-M2100E ONLY)
C148	1-164-665-11	CERAMIC CHIP 0.039MF	10% 50V
C149	1-126-101-11	ELECT 100MF	20% 16V (KV-M2100A/KV-M2101U ONLY)
C151	1-124-907-11	ELECT 10MF	20% 50V
C154	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C157	1-124-927-11	ELECT 4.7MF	20% 50V
C160	1-163-117-00	CERAMIC CHIP 100PF	5% 50V (KV-M2101U ONLY)
C161	1-163-129-00	CERAMIC CHIP 330PF	5% 50V (KV-M2101U ONLY)
C163	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C201	1-124-916-11	ELECT 22MF	20% 50V
C202	1-124-925-11	ELECT 2.2MF	20% 50V
C203	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C204	1-124-480-11	ELECT 470MF	20% 25V
C206	1-163-011-11	CERAMIC CHIP 0.0015MF	10% 50V
C207	1-124-925-11	ELECT 2.2MF	20% 50V
C208	1-126-104-11	ELECT 470MF	20% 35V
C209	1-124-910-11	ELECT 47MF	20% 50V

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and marked ⚠ are critical for safety.
Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION			REMARK
C210	1-106-228-00	MYLAR	0.22MF	10%	100V
C302	1-163-059-00	CERAMIC CHIP	0.01MF		50V
C303	1-163-059-00	CERAMIC CHIP	0.01MF		50V
C304	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C305	1-124-910-11	ELECT	47MF	20%	50V
C306	1-106-220-00	MYLAR	0.1MF	10%	100V
C307	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C308	1-124-910-11	ELECT	47MF	20%	50V
C309	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C314	1-163-103-00	CERAMIC CHIP	27PF	5%	50V
C316	1-163-377-11	CERAMIC CHIP	100PF	5%	50V
C317	1-163-093-00	CERAMIC CHIP	10PF	5%	50V
C318	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C319	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C321	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C323	1-163-055-00	CERAMIC CHIP	0.0047MF	10%	50V
C329	1-131-367-00	TANTALUM	22MF	10%	16V
C330	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C331	1-124-927-11	ELECT	4.7MF	20%	50V
C332	1-130-783-00	MYLAR	0.33MF	10%	100V
C333	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C334	1-163-063-00	CERAMIC CHIP	0.022MF	10%	50V
C335	1-163-063-00	CERAMIC CHIP	0.022MF	10%	50V
C337	1-130-834-00	MYLAR	1MF	10%	63V
C340	1-162-568-11	CERAMIC CHIP	0.33MF	10%	16V
C341	1-130-783-00	MYLAR	0.33MF	10%	100V
C343	1-130-785-11	MYLAR	0.47MF	10%	100V
C344	1-106-383-00	MYLAR	0.047MF	10%	100V
C346	1-163-033-00	CERAMIC CHIP	0.022MF		50V
C347	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C348	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C349	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C352	1-106-375-12	MYLAR	0.022MF	10%	250V
C353	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C354	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C355	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C357	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C358	1-124-556-11	ELECT	2200MF	20%	16V
C360	1-124-903-11	ELECT	1MF	20%	50V
C362	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
					(KV-M2101U ONLY)
C367	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C370	1-124-916-11	ELECT	22MF	20%	50V
C401	1-124-910-11	ELECT	47MF	20%	50V
C403	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C404	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C429	1-163-197-00	CERAMIC CHIP	470PF	10%	50V
					(KV-M2100E ONLY)
C430	1-164-336-11	CERAMIC CHIP	0.33MF		25V
C431	1-124-910-11	ELECT	47MF	20%	50V
C432	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C433	1-124-916-11	ELECT	22MF	20%	25V
C434	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C475	1-124-916-11	ELECT	22MF	20%	50V
C476	1-108-702-11	MYLAR	0.068MF	10%	100V
C490	1-124-910-11	ELECT	47MF	20%	50V
C499	1-163-205-00	CERAMIC CHIP	0.001MF	10%	50V
C501	1-163-181-00	CERAMIC CHIP	100PF	5%	50V
C502	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C503	1-163-181-00	CERAMIC CHIP	100PF	5%	50V
C504	1-124-122-11	ELECT	100MF	20%	50V
C505	1-124-916-11	ELECT	22MF	20%	50V
C506	1-106-228-00	MYLAR	0.22MF	10%	100V
C507	1-124-557-11	ELECT	1000MF	20%	25V
C508	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C509	1-162-568-11	CERAMIC CHIP	0.33MF	10%	16V
C510	1-163-081-00	CERAMIC CHIP	0.22MF		25V
C511	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C512	1-108-702-11	MYLAR	0.068MF	10%	100V
C513	1-124-927-11	ELECT	4.7MF	20%	50V
C514	1-136-298-00	FILM	0.0033MF	5%	100V
C515	1-163-035-00	CERAMIC CHIP	0.047MF		50V
C516	1-163-113-00	CERAMIC CHIP	68PF	5%	50V
C517	1-163-033-00	CERAMIC CHIP	0.022MF		50V
C520	1-163-033-00	CERAMIC CHIP	0.022MF		50V
C521	1-131-377-00	TANTALUM	10MF	10%	10V
C524	1-106-228-00	MYLAR	0.22MF	10%	100V
C525	1-108-702-11	MYLAR	0.068MF	10%	100V
C526	1-124-910-11	ELECT	47MF	20%	50V
C527	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
					(KV-M2100A ONLY)
	1-163-017-00	CERAMIC CHIP	0.0047	10%	50V
					(KV-M2100E/KV-M2101U ONLY)
C529	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C530	1-163-197-00	CERAMIC CHIP	470PF	5%	50V
C531	1-163-113-00	CERAMIC CHIP	68PF	5%	50V
					(KV-M2100A/KV-M2100E ONLY)
C532	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C536	1-124-927-11	ELECT	4.7MF	20%	50V
C537	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C540	1-163-111-00	CERAMIC CHIP	56PF	5%	50V
C601 ⚠	1-161-964-61	CERAMIC	0.0047MF		250V
C602 ⚠	1-161-964-61	CERAMIC	0.0047MF		250V
C603	1-162-599-12	CERAMIC	0.0047MF		250V
C604	1-125-318-00	ELECT(BLOCK)	220MF	20%	400V
C605	1-161-754-00	CERAMIC	0.001MF	10%	2KV
C606	1-104-728-11	FILM	0.047MF	10%	630V
C607	1-106-367-00	MYLAR	0.01MF	10%	400V
C608	1-161-753-00	CERAMIC	470PF	10%	3KV
C609	1-124-347-00	ELECT	100MF	20%	160V
C610	1-124-557-11	ELECT	1000MF	20%	25V
C612	1-102-228-00	CERAMIC	470PF	10%	500V
C614	1-126-101-11	ELECT	100MF	20%	16V
C618	1-124-916-11	ELECT	22MF	20%	50V
C621 ⚠	1-136-879-11	FILM	0.68MF	20%	300V
					(KV-M2100A ONLY)
⚠	1-136-517-11	FILM	0.22MF	20%	300V
					(KV-M2100E/KV-M2101U ONLY)
C623 ⚠	1-164-246-61	CERAMIC	0.0022MF	20%	400V
C625 ⚠	1-136-879-11	FILM	0.68MF	20%	300V
					(KV-M2100A ONLY)
⚠	1-136-517-11	FILM	0.22MF	20%	300V
					(KV-M2100E ONLY)
C626 ⚠	1-163-161-00	CERAMIC CHIP	15PF	5%	50V
					(KV-M2100E ONLY)
C627 ⚠	1-163-161-00	CERAMIC CHIP	15PF	5%	50V
					(KV-M2100E ONLY)
C631	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C632	1-162-599-12	CERAMIC	0.0047MF		250V
					(KV-M2100A/KV-M2101U ONLY)
C633	1-161-742-00	CERAMIC	0.0022MF	20%	400V

The components identified by shading and marked ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO.	PART NO.	DESCRIPTION	REMARK
C698	1-162-115-00	CERAMIC 330PF 10%	2KV
			(KV-M2100A ONLY)
C801	1-101-821-00	CERAMIC 0.0022MF	500V
C802	1-102-244-00	CERAMIC 220PF 10%	500V
C804	1-126-101-11	ELECT 100MF 20%	16V
C805	1-136-080-00	FILM 0.011MF 3%	2KV
C806	1-136-187-11	FILM 0.047MF 10%	250V
C807	1-161-754-00	CERAMIC 0.001MF 10%	2KV
C808	1-136-933-11	FILM 1MF 5%	100V
C809	1-102-212-00	CERAMIC 820PF 10%	500V
C811	1-136-540-11	FILM 0.82MF 5%	160V
C812	1-124-634-11	ELECT 1MF 20%	250V
C813	1-163-009-11	CERAMIC CHIP 0.001MF 10%	50V
C814	1-126-542-11	ELECT 4.7MF 20%	160V
C815	1-124-916-11	ELECT 22MF 20%	50V
C816	1-102-228-00	CERAMIC 470PF 10%	500V
C817	1-123-948-00	ELECT 22MF 20%	250V
C818	1-106-375-12	MYLAR 0.022MF 10%	250V
C819	1-162-114-00	CERAMIC 0.0047MF	2KV
C820	1-162-318-11	CERAMIC 0.001MF 10%	500V
C821	1-126-101-11	ELECT 100MF 20%	16V
C822	1-162-318-11	CERAMIC 0.001MF 10%	500V
C823	1-126-233-11	ELECT 22MF 20%	50V
C824	1-124-913-11	ELECT 470MF 20%	50V
C825	1-136-204-11	MYLAR 0.015MF 10%	400V
C840	1-124-902-00	ELECT 0.47MF 20%	50V
C850	1-126-101-11	ELECT 100MF 20%	16V
			(KV-M2100A/KV-M2101U ONLY)
		<FILTER>	
CD101	1-579-110-11	DISCRIMINATOR, CERAMIC	
			(KV-M2100A/KV-M2100E ONLY)
	1-579-109-11	DISCRIMINATOR, CERAMIC	
			(KV-M2101U ONLY)
CF501	1-404-801-11	TRAP, CERAMIC	
SWF101	1-579-120-11	FILTER, SURFACE WAVE	
XF501	1-527-840-00	FILTER, CERAMIC	
			(KV-M2100A/KV-M2100E ONLY)
	1-567-569-11	FILTER, CERAMIC	
			(KV-M2101U ONLY)
		<CONNECTOR>	
CNA21	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)	
CNA22	*1-568-878-51	PIN, CONNECTOR 3P	
CNA42	*1-565-394-11	PIN, BOARD TO BOARD CONNECTOR	
CNA43	*1-565-394-11	PIN, BOARD TO BOARD CONNECTOR	
CNA61 ⚠	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
CNA62 ⚠	*1-580-844-11	PIN, CONNECTOR (POWER)	
CNA63	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P	
CNA64	*1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P	
CNA81	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P	
CNA82	*1-580-798-11	CONNECTOR PIN (DY) 6P	
		<TRIMMER>	
CT332	1-141-418-11	CAP, ADJ	
		<DIODE>	
D002	8-719-920-55	DIODE SPR-54MVW	
	*4-200-407-01	HOLDER, LED D002	
D004	8-719-104-34	DIODE 1S2836	
D007	8-719-400-18	DIODE MA152WK	
D008	8-719-105-82	DIODE RD5.1M-B2	
D009	8-719-105-82	DIODE RD5.1M-B2	
D011	8-719-911-19	DIODE 1SS119	
D020	8-719-911-19	DIODE 1SS119	
D101	8-719-110-03	DIODE RD7.5ESB2	
			(KV-M2100A/KV-M2100E ONLY)
D102	8-719-110-03	DIODE RD7.5ESB2	
			(KV-M2100A/KV-M2100E ONLY)
D103	8-719-110-03	DIODE RD7.5ESB2	
			(KV-M2100A/KV-M2100E ONLY)
D104	8-719-400-18	DIODE MA152WK	(KV-M2100A ONLY)
D110	8-719-109-85	DIODE RD5.1ESB2	
D301	8-719-104-34	DIODE 1S2836	
D302	8-719-800-76	DIODE 1SS226	
D303	8-719-104-34	DIODE 1S2836	
D305	8-719-800-76	DIODE 1SS226	
D306	8-719-400-18	DIODE MA152WK	
D313	8-719-800-76	DIODE 1SS226	
D321	8-719-109-89	DIODE RD5.6ESB2	
D324	8-719-104-34	DIODE 1S2836	
D334	8-719-104-34	DIODE 1S2836	
D402	8-719-109-97	DIODE RD6.8ESB2	
D403	8-719-109-97	DIODE RD6.8ESB2	
D404	8-719-109-97	DIODE RD6.8ESB2	
D405	8-719-110-09	DIODE RD8.2ESB3	
D406	8-719-110-09	DIODE RD8.2ESB3	
D411	8-719-109-97	DIODE RD6.8ESB2	
D412	8-719-010-34	DIODE UZ-4.7BSC	
D417	8-719-104-34	DIODE 1S2836	
D418	8-719-104-34	DIODE 1S2836	
D426	8-719-911-19	DIODE 1SS119	
D427	8-719-911-19	DIODE 1SS119	
D450	8-719-109-97	DIODE RD6.8ESB2	
D501	8-719-300-33	DIODE RU-3AM	
D503	8-719-911-19	DIODE 1SS119	
D504	8-719-400-18	DIODE MA152WK	
D519	8-719-400-18	DIODE MA152WK	
D601	8-719-311-72	DIODE RBV-406H-01	
D602	8-719-976-64	DIODE RGP02-17	
D603	8-719-908-03	DIODE GP08D	
D604	8-719-928-08	DIODE ERD28-08S	
			(KV-M2100A/KV-M2101U ONLY)
D605	8-719-300-33	DIODE RU-3AM	
D606	8-719-980-78	DIODE ERA83-006	
D607	8-719-300-33	DIODE RU-3AM	
D608	8-719-300-33	DIODE RU-3AM	
D609	8-719-908-03	DIODE GP08D	
D610	8-719-908-03	DIODE GP08D	
D611	8-719-312-40	DIODE R2K	
D801	8-719-945-80	DIODE ERC06-15S	
D802	8-719-928-08	DIODE ERD28-08S	
			(KV-M2100A/KV-M2101U ONLY)
D803	8-719-300-33	DIODE RU-3AM	
D805	8-719-300-33	DIODE RU-3AM	
D806	8-719-976-64	DIODE RGP02-17	
D807	8-719-300-33	DIODE RU-3AM	
D808	8-719-300-33	DIODE RU-3AM	
D809	8-719-400-18	DIODE MA152WK	
D820	8-719-911-19	DIODE 1SS119	

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and marked ⚠ are critical for safety. Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK
		<DELAY LINE>	
DL301	1-236-062-11	MODULE, Y DELAY LINE	
		<FUSE>	
F601 ⚠	1-576-231-21	FUSE (H.B.C.) 4A/250V	
	4-201-057-01	COVER, FUSE F601	
	1-533-230-11	HOLDER, FUSE F601	
		<IC>	
IC001	8-759-062-07	IC PCA84C840P/016	
IC002	8-759-043-86	IC ST24C02AB1	
IC003	8-741-139-80	IC BX-1398	
IC004	8-759-805-37	IC L78LR05D-MA	
IC005	8-759-157-40	DIODE UPC574J	
IC102	8-759-044-41	IC TDA3827/V3	
IC201	8-759-502-74	IC TDA7245	
IC301	8-759-505-39	IC TDA4660/V2	
IC302	8-759-512-04	IC TDA3505-V1	
IC331	8-759-513-46	IC TDA4510/V8	
IC501	8-759-113-13	IC UPC1498H	
	*4-389-343-11	SPRING; IC501	
IC502	8-759-515-72	IC TDA8304	
IC601	8-749-901-65	IC STR54041	
	*4-368-683-11	SPRING; IC601	
IC801	8-759-945-58	IC RC4558P	
IC802	8-759-604-39	IC M5F78M12L	
	*4-389-343-11	SPRING; IC802	
		<JACK>	
J401	1-561-534-00	SOCKET, PIN 21P	
		<COIL>	
L001	1-408-409-00	INDUCTOR 10UH	
L102	1-408-409-00	INDUCTOR 10UH	
L103	1-408-399-00	INDUCTOR 1.5UH	
L105	1-410-872-21	INDUCTOR 10UH	(KV-M2100A ONLY)
L106	1-408-415-00	INDUCTOR 33UH	
L107	1-408-410-00	INDUCTOR 12UH	
L110	1-408-409-00	INDUCTOR 10UH	(KV-M2101U ONLY)
L301	1-408-409-00	INDUCTOR 10UH	
L302	1-408-419-00	INDUCTOR 68UH	
L303	1-408-425-00	INDUCTOR 220UH	
L406	1-408-417-00	INDUCTOR 47UH	
L501	1-404-493-00	COIL	
L502	1-408-407-00	INDUCTOR 6.8UH	
L506	1-408-411-00	INDUCTOR 15UH	
L801	1-407-365-00	COIL,CHOKE	
L802	1-420-872-00	COIL,AIR CORE	
L804	1-459-390-00	COIL(WITH CORE)	
L805	1-459-105-21	COIL(WITH CORE)	
L806	1-459-652-12	HLC	
L807	1-408-239-00	INDUCTOR 4.7MMH	
L808	1-408-226-00	INDUCTOR 82UH	
		<IC LINK>	
PS801 ⚠	1-532-637-00	LINK, IC (ICP-N25) 1A	

REF.NO.	PART NO.	DESCRIPTION	REMARK
		<TRANSISTOR>	
Q001	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q003	8-729-901-01	TRANSISTOR DTC144EK	
Q004	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q005	8-729-923-54	TRANSISTOR DTA143TK	
Q006	8-729-922-66	TRANSISTOR 2SC2410SN	
Q007	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q015	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q016	8-729-901-47	TRANSISTOR DTA143EK	
Q017	8-729-216-22	TRANSISTOR 2SA1162G	
Q019	8-729-901-06	TRANSISTOR DTA144EK	
Q020	8-729-901-00	TRANSISTOR DTC124EK	
Q101	8-729-901-47	TRANSISTOR DTA143EK	(KV-M2100A/KV-M2100E ONLY)
Q102	8-729-901-47	TRANSISTOR DTA143EK	(KV-M2100A/KV-M2100E ONLY)
Q103	8-729-901-47	TRANSISTOR DTA143EK	(KV-M2100A/KV-M2100E ONLY)
Q104	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q106	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q107	8-729-216-22	TRANSISTOR 2SA1162G	
Q112	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q114	8-729-901-00	TRANSISTOR DTC124EK	
Q115	8-729-901-00	TRANSISTOR DTC124EK	
Q123	8-729-230-49	TRANSISTOR 2SC2712-YG	(KV-M2101U ONLY)
Q141	8-729-014-99	TRANSISTOR BF959-AMMO	
Q302	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q304	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q305	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q307	8-729-216-22	TRANSISTOR 2SA1162G	
Q310	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q311	8-729-216-22	TRANSISTOR 2SA1162G	
Q401	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q457	8-729-216-22	TRANSISTOR 2SA1162G	
Q504	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q505	8-729-216-22	TRANSISTOR 2SA1162G	
Q601	8-729-906-74	TRANSISTOR BC637-16	
Q801	8-729-119-80	TRANSISTOR 2SC2688-LK	
Q802	8-729-925-64	TRANSISTOR BU508AS2	
Q803	8-729-202-03	TRANSISTOR 2SD1761-E	
		<RESISTOR>	
JR45	1-216-295-00	METAL GLAZE 0 5% 1/10W	(KV-M2100A/KV-M2100E ONLY)
JR50	1-216-295-00	METAL GLAZE 0 5% 1/10W	(KV-M2100A/KV-M2100E ONLY)
JR003	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR004	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR005	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR006	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR007	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR008	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR009	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR010	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR011	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR012	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR015	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR016	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR017	1-216-295-00	METAL GLAZE 0 5% 1/10W	

REF.NO.	PART NO.	DESCRIPTION	REMARK
JR018	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR019	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR020	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR021	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR022	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR023	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR024	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR029	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR030	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR033	1-216-295-00	METAL GLAZE 0 5% 1/10W	(KV-M2101U ONLY)
JR034	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR036	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR037	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR038	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR039	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR040	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR041	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR042	1-216-295-00	METAL GLAZE 0 5% 1/10W	(KV-M2100A/KV-M2101U ONLY)
JR044	1-216-295-00	METAL GLAZE 0 5% 1/10W	(KV-M2100A/KV-M2101U ONLY)
JR051	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR052	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR053	1-216-295-00	METAL GLAZE 0 5% 1/10W	(KV-M2101U ONLY)
JR060	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR099	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR101	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR102	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR103	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR104	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR105	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR106	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR108	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR109	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR110	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR111	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR117	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR118	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR119	1-216-296-00	METAL GLAZE 0 5% 1/8W	(KV-M2100A/KV-M2100E ONLY)
JR123	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR125	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR126	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR127	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR128	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR129	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR130	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR131	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR133	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR134	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR135	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR136	1-216-296-00	METAL GLAZE 0 5% 1/8W	(KV-M2100A/KV-M2100E ONLY)
JR137	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR139	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR140	1-216-296-00	METAL GLAZE 0 5% 1/8W	(KV-M2100A/KV-M2101U ONLY)
JR144	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR147	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR148	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR149	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR150	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR151	1-216-296-00	METAL GLAZE 0 5% 1/8W	(KV-M2100A ONLY)
JR152	1-216-296-00	METAL GLAZE 0 5% 1/8W	(KV-M2100A ONLY)
JR153	1-216-296-00	METAL GLAZE 0 5% 1/8W	(KV-M2100A ONLY)
JR155	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR181	1-216-296-00	METAL GLAZE 0 5% 1/8W	(KV-M2100A/KV-M2101U ONLY)
JR182	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR183	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR184	1-216-296-00	METAL GLAZE 0 5% 1/8W	
R001	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
R002	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R003	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R004	1-216-083-00	METAL GLAZE 27K 5% 1/10W	
R005	1-216-206-00	METAL GLAZE 2.2K 5% 1/8W	(KV-M2100A/KV-M2100E ONLY)
R006	1-216-254-00	METAL GLAZE 220K 5% 1/8W	
R007	1-216-190-00	METAL GLAZE 470 5% 1/8W	
R008	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R009	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R010	1-216-198-00	METAL GLAZE 1K 5% 1/8W	
R011	1-216-035-00	METAL GLAZE 270 5% 1/10W	
R012	1-216-248-00	METAL GLAZE 120K 5% 1/8W	
R013	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
R014	1-216-689-11	METAL GLAZE 39K 5% 1/10W	
R015	1-216-230-00	METAL GLAZE 22K 5% 1/8W	
R016	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R017	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R018	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R019	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R020	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R021	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R022	1-216-198-00	METAL GLAZE 1K 5% 1/8W	
R023	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R024	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R025	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
R026	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R028	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R029	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R030	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
R031	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R032	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	(KV-M2100A/KV-M2100E ONLY)
R033	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	(KV-M2100A/KV-M2100E ONLY)
R034	1-216-238-00	METAL GLAZE 47K 5% 1/8W	
R035	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
R038	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R040	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R041	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R042	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R043	1-215-900-11	METAL OXIDE 22K 5% 2W	
R044	1-216-105-00	METAL GLAZE 220K 5% 1/10W	
R045	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R046	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R047	1-216-079-00	METAL GLAZE 18K 5% 1/10W	
R048	1-216-202-00	METAL GLAZE 1.5K 5% 1/8W	
R049	1-216-073-00	METAL GLAZE 10K 5% 1/10W	

REF.NO.	PART NO.	DESCRIPTION	REMARK
R050	1-216-250-00	METAL GLAZE 150K 5% 1/8W	
R051	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R052	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R053	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R054	1-249-395-11	CARBON 15 5% 1/4W	
R055	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R056	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R058	1-249-434-11	CARBON 27K 5% 1/4W	
R059	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R060	1-216-234-00	METAL GLAZE 33K 5% 1/8W	
R061	1-216-079-00	METAL GLAZE 18K 5% 1/10W	
R062	1-216-242-00	METAL GLAZE 68K 5% 1/8W	
R064	1-216-095-00	METAL GLAZE 82K 5% 1/10W	
R075	1-216-248-00	METAL GLAZE 120K 5% 1/8W	
R076	1-216-198-00	METAL GLAZE 1K 5% 1/8W	
R077	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
R078	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R079	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R081	1-216-198-00	METAL GLAZE 1K 5% 1/8W	
R082	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R083	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R084	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R087	1-216-027-00	METAL GLAZE 120 5% 1/10W	
R094	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
R095	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R096	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R097	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R099	1-216-228-00	METAL GLAZE 18K 5% 1/8W	
R100	1-216-017-00	METAL GLAZE 47 5% 1/10W	
R101	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
R102	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R103	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R104	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R105	1-216-109-00	METAL GLAZE 330K 5% 1/10W	
R106	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R107	1-216-073-00	METAL GLAZE 10K 5% 1/10W	(KV-M2100A ONLY)
R108	1-216-049-00	METAL GLAZE 1K 5% 1/10W	(KV-M2100A ONLY)
R109	1-216-190-00	METAL GLAZE 470 5% 1/8W	
R110	1-249-437-11	CARBON 47K 5% 1/4W	
R111	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R112	1-249-411-11	CARBON 330 5% 1/4W	
R113	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R114	1-216-238-00	METAL GLAZE 47K 5% 1/8W	
R115	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R116	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R118	1-216-035-00	METAL GLAZE 270 5% 1/10W	
R119	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R120	1-216-043-00	METAL GLAZE 560 5% 1/10W	(KV-M2101U ONLY)
R122	1-216-043-00	METAL GLAZE 560 5% 1/10W	(KV-M2101U ONLY)
R130	1-249-409-11	CARBON 220 5% 1/4W	
R131	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R132	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R136	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R138	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R139	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R140	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R141	1-216-021-00	METAL GLAZE 68 5% 1/10W	

REF.NO.	PART NO.	DESCRIPTION	REMARK
R142	1-216-063-00	METAL GLAZE 3.9K 5% 1/10W	
R143	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R144	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R147	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R148	1-216-017-00	METAL GLAZE 47 5% 1/10W	
R149	1-216-182-00	METAL GLAZE 220 5% 1/8W	
R151	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R152	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R153	1-215-867-00	METAL OXIDE 470 5% 1W	
R199	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R201	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R202	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R203	1-216-298-00	METAL GLAZE 2.2 5% 1/10W	
R204	1-247-741-11	CARBON 150 5% 1/2W	
R205	1-216-083-00	METAL GLAZE 27K 5% 1/10W	
R206	1-216-035-00	METAL GLAZE 270 5% 1/10W	
R207	1-216-298-00	METAL GLAZE 2.2 5% 1/10W	
R303	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R304	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R305	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R306	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R307	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
R309	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
R310	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R311	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R312	1-216-174-00	METAL GLAZE 100 5% 1/8W	
R313	1-216-174-00	METAL GLAZE 100 5% 1/8W	
R314	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R315	1-216-047-00	METAL GLAZE 820 5% 1/10W	
R317	1-216-202-00	METAL GLAZE 1.5K 5% 1/8W	
R320	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R321	1-216-023-00	METAL GLAZE 82 5% 1/10W	
R322	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W	
R323	1-216-192-00	METAL GLAZE 560 5% 1/8W	
R324	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R325	1-249-410-11	CARBON 270 5% 1/4W	
R326	1-216-035-00	METAL GLAZE 270 5% 1/10W	
R327	1-216-121-00	METAL GLAZE 1M 5% 1/10W	
R328	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R329	1-216-109-00	METAL GLAZE 330K 5% 1/10W	
R330	1-216-244-00	METAL GLAZE 82K 5% 1/8W	
R331	1-216-113-00	METAL GLAZE 470K 5% 1/10W	
R332	1-216-270-00	METAL GLAZE 1M 5% 1/8W	
R333	1-216-091-00	METAL GLAZE 56K 5% 1/10W	
R334	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R335	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R336	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R337	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R338	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R344	1-247-848-11	CARBON 5.1K 5% 1/4W	
R345	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R347	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R348	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R349	1-216-029-00	METAL GLAZE 150 5% 1/10W	
R350	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R351	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W	
R352	1-216-039-00	METAL GLAZE 390 5% 1/10W	
R353	1-249-438-11	CARBON 56K 5% 1/4W	
R354	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R355	1-216-049-00	METAL GLAZE 1K 5% 1/10W	

The components identified by shading and marked ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO.	PART NO.	DESCRIPTION			REMARK	
R356	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R357	1-216-039-00	METAL GLAZE	390	5%	1/10W	
R358	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R359	1-216-238-00	METAL GLAZE	47K	5%	1/8W	
R363	1-216-222-00	METAL GLAZE	10K	5%	1/8W	
R364	1-216-222-00	METAL GLAZE	10K	5%	1/8W	
R402	1-216-172-00	METAL GLAZE	82	5%	1/8W	
R403	1-216-023-00	METAL GLAZE	82	5%	1/10W	
R404	1-216-023-00	METAL GLAZE	82	5%	1/10W	
R405	1-216-023-00	METAL GLAZE	82	5%	1/10W	
R406	1-216-226-00	METAL GLAZE	15K	5%	1/8W	
R407	1-216-226-00	METAL GLAZE	15K	5%	1/8W	
R408	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R409	1-216-023-00	METAL GLAZE	82	5%	1/10W	
R411	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R412	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R413	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R414	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R420	1-216-182-00	METAL GLAZE	220	5%	1/8W	
R421	1-216-449-11	METAL OXIDE	56	5%	2W	
R423	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R424	1-216-222-00	METAL GLAZE	10K	5%	1/8W	
R425	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R426	1-216-045-00	METAL GLAZE	680	5%	1/10W	
R427	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R428	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R430	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R432	1-249-403-11	CARBON	68	5%	1/4W	
R433	1-216-079-00	METAL GLAZE	18K	5%	1/10W	
R434	1-216-029-00	METAL GLAZE	150	5%	1/10W	
R435	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R436	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R437	1-216-101-00	METAL GLAZE	150K	5%	1/10W	
R501	1-216-214-00	METAL GLAZE	4.7K	5%	1/8W	
R502	1-247-743-11	CARBON	220	5%	1/2W	
R503	1-249-437-11	CARBON	47K	5%	1/4W	
R504	1-216-017-00	METAL GLAZE	47	5%	1/10W	
R505	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R507	1-216-350-11	METAL OXIDE	1.2	5%	1W	F
R508	1-215-867-00	METAL OXIDE	470	5%	1W	
R510	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R511	1-216-244-00	METAL GLAZE	82K	5%	1/8W	
R512	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R513	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R514	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R515	1-216-683-11	METAL CHIP	22K	0.50%	1/10W	
R516	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R517	1-216-031-00	METAL GLAZE	180	5%	1/10W	
R518	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R519	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R520	1-216-258-00	METAL GLAZE	330K	5%	1/8W	
R521	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R522	1-215-863-11	METAL OXIDE	100	5%	1W	
R523	1-247-754-11	CARBON	1.5K	5%	1/2W	
R524	1-216-099-00	METAL GLAZE	120K	5%	1/10W	
R525	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R527	1-215-869-11	METAL OXIDE	1K	5%	1W	
R532	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R533	1-216-133-00	METAL GLAZE	3.3M	5%	1/10W	
R534	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	

REF.NO.	PART NO.	DESCRIPTION			REMARK	
R535	1-216-107-00	METAL GLAZE	270K	5%	1/10W	
R539	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R542	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R543	1-249-408-11	CARBON	180	5%	1/4W	
R545	1-216-286-00	METAL GLAZE	4.7M	5%	1/8W	
R548	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R601 ⚠	1-205-909-11	WIREWOUND	3.3	5%	10W	
R602	1-214-923-00	CARBON	270K	5%	1/2W	
R603	1-215-903-11	METAL OXIDE	68K	5%	2W	
R604	1-247-752-11	CARBON	1K	5%	1/2W	
R606	1-212-877-11	FUSIBLE	68	5%	1/4W	
R607	1-249-430-11	CARBON	12K	5%	1/4W	
R608	1-215-884-11	METAL OXIDE	47	5%	2W	
R609	1-207-905-00	WIREWOUND	0.27	10%	2W	
R611	1-214-915-00	CARBON	120K	5%	1/2W	
R612	1-219-137-11	FUSIBLE	0.33	5%	1/4W	
R613	1-217-811-11	FUSIBLE	0.47	5%	1/4W	
R614	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R615	1-216-013-00	METAL GLAZE	33	5%	1/10W	
R617	1-216-354-11	METAL OXIDE	2.7	5%	1W	F
R620	1-216-465-11	METAL OXIDE	27K	5%	2W	
R621	1-216-465-11	METAL OXIDE	27K	5%	2W	
R626	1-216-238-00	METAL GLAZE	47K	5%	1/8W (KV-M2100A ONLY)	
R627	1-216-238-00	METAL GLAZE	47K	5%	1/8W (KV-M2100A ONLY)	
R628	1-218-265-11	METAL GLAZE	8.2M	5%	1W	
R629	1-213-096-00	FUSIBLE	330	5%	1W	F
R801	1-217-778-11	FUSIBLE	1K	5%	1W	F
R802	1-217-819-11	FUSIBLE	2.7K	5%	1/4W	
R803	1-216-352-11	METAL OXIDE	1.8	5%	1W	F
R804	1-216-013-00	METAL GLAZE	33	5%	1/10W	
R805	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R806	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R807	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R808	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R809	1-216-689-11	METAL GLAZE	39K	5%	1/10W	
R810	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R811	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R812	1-217-778-11	FUSIBLE	1K	5%	1W	F
R813	1-212-877-11	FUSIBLE	68	5%	1/4W	
R814	1-215-868-00	METAL OXIDE	680	5%	1W	F
R816	1-247-883-00	CARBON	150K	5%	1/4W	
R817	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R818	1-202-830-00	SOLID	10K	10%	1/2W	
R819	1-249-448-11	CARBON	1.2	5%	1/4W	F
R820	1-217-811-11	FUSIBLE	0.47	5%	1/4W	
R821	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	
R822	1-216-204-00	METAL GLAZE	1.8K	5%	1/8W	
R823	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R826	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R827	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R830	1-216-192-00	METAL GLAZE	560	5%	1/8W	
R850	1-215-882-00	METAL OXIDE	22	5%	2W	F

<VARIABLE RESISTOR>

RV001	1-241-627-11	RES, ADJ, CARBON 1K
RV501	1-241-630-11	RES, ADJ, CARBON 10K
RV502	1-226-703-11	RES, ADJ, METAL GLAZE 10K
RV503	1-238-019-11	RES, ADJ, CARBON 47K

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and marked ⚠ are critical for safety.
Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK
RV504	1-238-019-11	RES, ADJ, CARBON 47K	
RV505	1-238-009-11	RES, ADJ, CARBON 220	
RV801	1-241-629-11	RES, ADJ, CARBON 4.7K	
RV802	1-238-019-11	RES, ADJ, CARBON 47K	
		<SWITCH>	
S001	1-571-532-21	SWITCH, TACTIL	
S002	1-571-532-21	SWITCH, TACTIL	
S003	1-571-532-21	SWITCH, TACTIL	
S601	⚠ 1-571-433-11	SWITCH, PUSH (AC POWER)	
		<SPARK GAP>	
SG801	1-519-422-11	GAP, SPARK	
		<TRANSFORMER>	
T601	⚠ 1-449-275-21	S.R.T	
T603	⚠ 1-421-776-11	LFT (KV-M2100A/KV-M2100E ONLY)	
T604	⚠ 1-424-078-11	TRANSFORMER, TRIGGER PULSE	
T605	⚠ 1-421-862-11	LFT	
T801	1-437-090-00	HDT	
T802	⚠ 1-439-416-41	TRANSFORMER ASSY, FLYBACK (NX-1604) (KV-M2100A/KV-M2100E ONLY)	
	⚠ 1-439-416-51	TRANSFORMER ASSY, FLYBACK (UX-1650) (KV-M2101U ONLY)	
		<THERMISTOR>	
THP601	⚠ 1-808-059-31	THERMISTOR, POSITIVE	
		<TUNER>	
TU101	1-465-541-14	TUNER (BT-3C) (KV-M2100A/KV-M2100E ONLY)	
	1-465-542-13	TUNER (BT-3U 601) (KV-M2101U ONLY)	
		<CRYSTAL>	
X001	1-577-619-11	VIBRATOR, CRYSTAL	
X332	1-567-131-00	OSCILLATOR, CRYSTAL	

****

REF.NO.	PART NO.	DESCRIPTION	REMARK
	*A-1638-016-A	C BOARD, COMPLETE (KV-M2100D/KV-M2101D) ***************** (KV-M2100K/KV-M2101K) (KV-M2101U)	
	*A-1638-017-A	C BOARD, COMPLETE (KV-M2100A/KV-M2100B) ***************** (KV-M2100E)	
	*4-379-160-01	COVER (REAR LID), CV	
	*4-379-167-01	COVER (MAIN), CV	
		<CAPACITOR>	
C703	1-163-129-00	CERAMIC CHIP 330PF 5% 50V	
C704	1-163-007-11	CERAMIC CHIP 680PF 10% 50V	
C705	1-163-191-00	CERAMIC CHIP 270PF 5% 50V	
C706	1-163-007-11	CERAMIC CHIP 680PF 10% 50V	
C707	1-162-116-00	CERAMIC 680PF 10% 2KV	
C708	1-162-114-00	CERAMIC 0.0047MF 2KV	
C709	1-163-007-11	CERAMIC CHIP 680PF 10% 50V	
C710	1-123-947-00	ELECT 10MF 20% 250V	
C712	1-163-129-00	CERAMIC CHIP 330PF 5% 50V	
C714	1-124-360-00	ELECT 1000MF 20% 16V	
C716	1-162-622-11	CERAMIC 330PF 10% 400V	
C717	1-163-005-11	CERAMIC CHIP 470PF 10% 50V	
C718	1-163-005-11	CERAMIC CHIP 470PF 10% 50V	
C719	1-163-005-11	CERAMIC CHIP 470PF 10% 50V	
		<CONNECTOR>	
CNC71	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P	
CNC72	*1-568-881-51	PIN, CONNECTOR 6P	
CNC81	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P	
CNC82	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
		<DIODE>	
D702	8-719-400-18	DIODE MA152WK	
D703	8-719-400-18	DIODE MA152WK	
D704	8-719-400-18	DIODE MA152WK	
D705	8-719-400-18	DIODE MA152WK	
D706	8-719-400-18	DIODE MA152WK	
D707	8-719-400-18	DIODE MA152WK	
D708	8-719-400-18	DIODE MA152WK	
D709	8-719-400-18	DIODE MA152WK	
D710	8-719-400-18	DIODE MA152WK	
D711	8-719-300-33	DIODE RU-3AM	
D714	8-719-800-76	DIODE 1SS226	
D715	8-719-800-76	DIODE 1SS226	
D716	8-719-800-76	DIODE 1SS226	
		<JACK>	
J701	⚠ 1-526-990-11	SOCKET, CRT	
		<COIL>	
L704	1-408-415-00	INDUCTOR 33UH	
		<TRANSISTOR>	
Q702	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q703	8-729-906-70	TRANSISTOR BF871	
Q704	8-729-200-17	TRANSISTOR 2SA1091O	
Q705	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q706	8-729-906-70	TRANSISTOR BF871	
Q707	8-729-200-17	TRANSISTOR 2SA1091O	
Q708	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q709	8-729-906-70	TRANSISTOR BF871	
Q710	8-729-200-17	TRANSISTOR 2SA1091O	
		<RESISTOR>	
JR1	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR2	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR3	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR4	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR6	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR7	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR8	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR12	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR13	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR14	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR15	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR16	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR17	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR18	1-216-296-00	METAL GLAZE 0 5% 1/8W	
R704	1-216-487-11	METAL OXIDE 12K 5% 3W	F

The components identified by shading and marked ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO.	PART NO.	DESCRIPTION				REMARK
R705	1-202-824-00	SOLID	3.3K	10%	1/2W	
R706	1-216-182-00	METAL GLAZE	220	5%	1/8W	
R707	1-247-822-11	CARBON	430	5%	1/4W	
R708	1-249-401-11	CARBON	47	5%	1/4W	
R709	1-202-844-00	SOLID	330K	10%	1/2W	
R711	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W	
R712	1-216-198-00	METAL GLAZE	1K	5%	1/8W	
R713	1-215-469-00	METAL	100K	1%	1/4W	
R714	1-216-487-11	METAL OXIDE	12K	5%	3W	F
R715	1-202-824-00	SOLID	3.3K	10%	1/2W	
R716	1-216-182-00	METAL GLAZE	220	5%	1/8W	
R717	1-249-415-11	CARBON	680	5%	1/4W	
R718	1-202-814-11	SOLID	33K	10%	1/2W	
R719	1-216-166-00	METAL GLAZE	47	5%	1/8W	
R720	1-216-210-00	METAL GLAZE	3.3K	5%	1/8W	
R721	1-202-842-11	SOLID	220K	10%	1/2W	
R722	1-202-848-00	SOLID	680K	10%	1/2W	
R723	1-216-198-00	METAL GLAZE	1K	5%	1/8W	
R724	1-202-846-00	SOLID	470K	10%	1/2W	
R725	1-202-838-00	SOLID	100K	10%	1/2W	
R726	1-202-824-00	SOLID	3.3K	10%	1/2W	
R727	1-249-409-11	CARBON	220	5%	1/4W	
R728	1-216-347-11	METAL OXIDE	0.68	5%	1W	F
R729	1-249-416-11	CARBON	820	5%	1/4W	
R730	1-216-166-00	METAL GLAZE	47	5%	1/8W	
R731	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R732	1-216-194-00	METAL GLAZE	680	5%	1/8W	
R733	1-216-194-00	METAL GLAZE	680	5%	1/8W	
R734	1-249-405-11	CARBON	100	5%	1/4W	
R735	1-215-493-00	METAL	1M	1%	1/4W	
R736	1-216-487-11	METAL OXIDE	12K	5%	3W	F
R737	1-215-483-00	METAL	390K	1%	1/4W	
R739	1-216-198-00	METAL GLAZE	1K	5%	1/8W	

<VARIABLE RESISTOR>

RV701	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M
RV702	1-230-619-11	RES, ADJ, METAL GLAZE 110M
RV703	1-237-749-11	RES, ADJ, CARBON 2200
RV704	1-237-749-11	RES, ADJ, CARBON 2200

****

*1-638-167-11 J1 BOARD
****

<CAPACITOR>

C2200	1-163-031-11	CERAMIC CHIP 0.01MF	50V

<CONNECTOR>

CN2001	*1-568-878-51	PIN, CONNECTOR 3P

<JACK>

J2201	1-562-837-11	JACK

<COIL>

L2201	1-408-409-00	INDUCTOR	10UH

****

*A-1645-017-A V BOARD, COMPLETE (KV-M2101D/KV-M2101U)
****

*A-1645-020-A V BOARD, COMPLETE (KV-M2101K)
****

<CAPACITOR>

REF.NO.	PART NO.	DESCRIPTION				REMARK
C1	1-126-101-11	ELECT	100MF	20%	16V	
C2	1-163-038-00	CERAMIC CHIP	0.1MF		25V	
C3	1-124-120-11	ELECT	220MF	20%	16V	
C4	1-163-077-00	CERAMIC CHIP	0.1MF		50V	
C5	1-124-120-11	ELECT	220MF	20%	16V	
C6	1-163-038-00	CERAMIC CHIP	0.1MF		25V	
C7	1-163-235-11	CERAMIC CHIP	22PF	5%	50V	
C8	1-163-235-11	CERAMIC CHIP	22PF	5%	50V	
C9	1-163-235-11	CERAMIC CHIP	22PF	5%	50V	
C10	1-163-038-00	CERAMIC CHIP	0.1MF		25V	
C11	1-163-038-00	CERAMIC CHIP	0.1MF		25V	
C12	1-163-038-00	CERAMIC CHIP	0.1MF		25V	
C13	1-163-038-00	CERAMIC CHIP	0.1MF		25V	
C14	1-124-927-11	ELECT	4.7MF	20%	50V	
C16	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C17	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C23	1-124-927-11	ELECT	4.7MF	20%	50V	
C26	1-163-038-00	CERAMIC CHIP	0.1MF		25V	
C27	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C28	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C29	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C32	1-163-038-00	CERAMIC CHIP	0.1MF		25V	
C33	1-163-038-00	CERAMIC CHIP	0.1MF		25V	

<CONNECTOR>

CNV1	*1-565-393-11	CONNECTOR, BOARD TO BOARD
CNV2	*1-565-393-11	CONNECTOR, BOARD TO BOARD

<DIODE>

D1	8-719-105-91	DIODE RD5.6M-B2
D3	8-719-914-44	DIODE DAP202K
D5	8-719-914-44	DIODE DAP202K
D6	8-719-400-18	DIODE MA152WK
D9	8-719-106-17	DIODE RD6.8M-B2

<IC>

IC2	8-759-515-59	IC SAA5246P/H	(KV-M2101K ONLY)
	8-759-045-54	IC SAA5246P/E/M4A	(KV-M2101D/KV-M2101U ONLY)
IC3	8-759-510-49	IC FCB61C65L-70P	

<COIL>

L1	1-408-403-00	INDUCTOR	3.3UH
L2	1-408-407-00	INDUCTOR	6.8UH
L3	1-408-407-00	INDUCTOR	6.8UH
L4	1-408-407-00	INDUCTOR	6.8UH

<IC LINK>

PS1 ⚠	1-532-679-00	LINK, IC (ICP-N15) 0.6A

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and marked ⚠ are critical for safety. Replace only with part number specified.

V

REF.NO.	PART NO.	DESCRIPTION	REMARK
		<TRANSISTOR>	
Q1	8-729-900-53	TRANSISTOR DTC114EK	
Q2	8-729-920-92	TRANSISTOR 2SD2096-EF	
Q3	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q4	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q5	8-729-807-87	TRANSISTOR 2SB1295-UL6	
Q6	8-729-807-87	TRANSISTOR 2SB1295-UL6	
Q7	8-729-807-87	TRANSISTOR 2SB1295-UL6	
Q9	8-729-901-04	TRANSISTOR DTA114EK	
Q10	8-729-901-01	TRANSISTOR DTC144EK	
Q11	8-729-901-01	TRANSISTOR DTC144EK	
		<RESISTOR>	
JR01	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR02	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR03	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR08	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR09	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR11	1-216-295-00	METAL GLAZE 0 5% 1/10W	(KV-M2101D/KV-M2101U ONLY)
JR14	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR15	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR17	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR18	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR19	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR20	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR21	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR23	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR24	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR25	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR26	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR202	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR203	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR221	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR222	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R1	1-218-326-11	METAL GLAZE 470 5% 1/2W	
R2	1-216-214-00	METAL GLAZE 4.7K 5% 1/8W	
R3	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R5	1-216-047-00	METAL GLAZE 820 5% 1/10W	
R6	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R7	1-216-083-00	METAL GLAZE 27K 5% 1/10W	
R8	1-216-071-00	METAL GLAZE 8.2K 5% 1/10W	
R9	1-216-308-00	METAL GLAZE 4.7 5% 1/10W	
R10	1-218-325-11	METAL GLAZE 120 5% 1/4W	
R11	1-218-325-11	METAL GLAZE 120 5% 1/4W	
R12	1-218-325-11	METAL GLAZE 120 5% 1/4W	
R13	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R14	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R15	1-216-013-00	METAL GLAZE 33 5% 1/10W	
R16	1-216-013-00	METAL GLAZE 33 5% 1/10W	
R17	1-216-013-00	METAL GLAZE 33 5% 1/10W	
R18	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R19	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R21	1-216-013-00	METAL GLAZE 33 5% 1/10W	
R22	1-216-168-00	METAL GLAZE 56 5% 1/8W	
R23	1-216-214-00	METAL GLAZE 4.7K 5% 1/8W	
R40	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R42	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R49	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R50	1-216-296-00	METAL GLAZE 0 5% 1/8W	
		<VARIABLE RESISTOR>	
RV1	1-241-627-11	RES, ADJ, CARBON 1K	
		<CRYSTAL>	
X1	1-579-266-31	CRYSTAL VIBRATOR	

****

ACCESSORIES AND PACKING MATERIALS

****

REF.NO.	PART NO.	DESCRIPTION	REMARK
	4-202-256-61	MANUAL INSTRUCTION	(KV-M2101U ONLY)
	4-202-256-11	MANUAL INSTRUCTION	(KV-M2100D/KV-M2101D ONLY)
	4-202-256-51	MANUAL INSTRUCTION	(KV-M2100B ONLY)
	4-202-256-71	MANUAL INSTRUCTION	(KV-M2100E ONLY)
	4-202-256-41	MANUAL INSTRUCTION	(KV-M2100A ONLY)
	4-202-256-81	MANUAL INSTRUCTION	(KV-M2100K/KV-M2101K ONLY)
	4-200-726-01	INDIVIDUAL CARTON	(KV-M2100A/KV-M2100B/KV-M2100E ONLY)
	4-202-249-01	INDIVIDUAL CARTON	(KV-M2100D/KV-M2101D/KV-M2100K/KV-M2101K ONLY)
	4-202-250-01	INDIVIDUAL CARTON	(KV-M2101U ONLY)
	*4-200-681-01	CUSHION (UPPER) (ASSY)	
	*4-200-684-02	CUSHION (LOWER) (ASSY)	
	*4-381-155-01	BAG, PROTECTION	

****

MISCELLANEOUS

****

REF.NO.	PART NO.	DESCRIPTION	REMARK
⚠	1-426-383-11	COIL, DEGAUSSING	
⚠	1-451-295-11	DEFLECTION YOKE (Y21PFA2)	
	1-452-032-00	MAGNET, DISK; 10MM	
	1-452-094-00	MAGNET, ROTATABLE DISK.; 15MM	
	1-452-277-00	MAGNET, BMC	
	1-503-258-21	SPEAKER	
⚠	1-690-296-11	CORD, POWER (WITH NOISE FILTER)	(KV-M2100A ONLY)
⚠	1-590-501-11	CORD, POWER (WITH NOISE FILTER)	(KV-M2101D/KV-M2101U ONLY)
⚠	1-590-460-11	CORD, POWER (WITH CONNECTOR)	(KV-M2100K/KV-M2101K/KV-M2100E ONLY)
⚠	1-690-460-11	CORD, POWER (WITH CONNECTOR)	(KV-M2100B ONLY)
⚠	1-590-762-11	CORD, POWER (WITH PLUG)	(KV-M2101U ONLY)
⚠	8-738-758-05	PICTURE TUBE (A51JXH61X)	

****

REMOTE COMMANDER

****

REF.NO.	PART NO.	DESCRIPTION	REMARK
	1-467-130-11	CONTROL UNIT, REMOTE	(RM-841)
	9-904-886-01	COVER, BATTERY	(RM-841)

****

SERVICE MANUAL BE-2A CHASSIS

MODEL	COMMANDER	DEST.	CHASSIS NO.	MODEL	COMMANDER	DEST.	CHASSIS NO.
KV-M2100K	RM-841	OIRT	SCC-E50J-A	KV-M2101D	RM-841	AEP	SCC-D85P-A
KV-M2101K	RM-841	OIRT	SCC-E50H-A	KV-M2100D	RM-841	AEP	SCC-D85Q-A
KV-M2100A	RM-841	Italian	SCC-D78K-A	KV-M2101U	RM-841	UK	SCC-D86R-A
KV-M2100B	RM-841	French	SCC-E24H-A	KV-M2100E	RM-841	Spanish	SCC-D87Q-A

SUPPLEMENT - 1

File this supplement with the Service Manual

1. INTRODUCTION
   - KV-M2100D/M2101D Schematic Diagrams, Printed Wiring Boards, Exploded Views and Electrical Parts List have been Changed. (SERIAL NO. 4,000,001 and later)

TABLE OF CONTENTS

Section Title Page

1. DIAGRAMS

1-1. Circuit Board Location 2
1-2. Schematic Diagrams and Printed Wiring Boards 3
* A Board 3
* C, J1, V 9

2. EXPLODED VIEWS

2-1. Chassis and Picture Tube 13

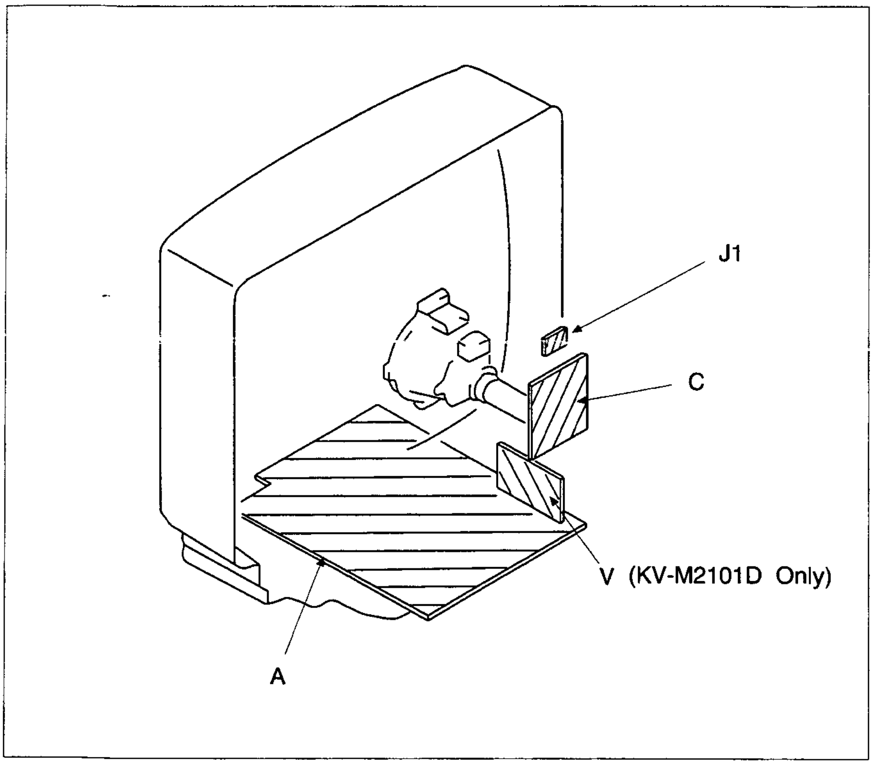
3. ELECTRICAL PARTS LIST 14

MICROFILM

TRINITRON® COLOR TV

SONY®

1-1. CIRCUIT BOARD LOCATION



Note :

- All capacitors are in µF unless otherwise noted. pF: µµF 50WV or less are not indicated except for electrolytic and tantalums.
- All resistors are in ohms.
  kΩ = 1000Ω , MΩ = 1000KΩ
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5 mm
Rating electrical power ¼ W

- : nonflammable resistor.
- △ : internal component.
- ▭ : panel designation, or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- ⊥ : earth - ground.
- ⏚ : earth - chassis.
- ⌗ : not mounted.

Note : The components identified by shading and marked ! are critical for safety. Replace only with the part numbers specified.

Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
	: RW	NONFLAMMABLE WIREWOUND
	: ·.·	ADJUSTABLE RESISTOR
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

- Readings are taken with a colour-bar signal input.
- Readings are taken with 10MΩ digital multimeter.
- Voltages are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.
- Circled numbers are waveform references.
- ━━ : B+ bus.
- : signal path. (RF)

SUPPLEMENT - 1

File this supplement with the Service Manual

1. INTRODUCTION
   - KV-M2100D/M2101D Schematic Diagrams, Printed Wiring Boards, Exploded Views and Electrical Parts List have been Changed. (SERIAL NO. 4,000,001 and later)

TABLE OF CONTENTS

Section Title Page

1. DIAGRAMS

1-1. Circuit Board Location 2
1-2. Schematic Diagrams and Printed Wiring Boards 3
  * A Board 3
  * C, J1, V 9

2. EXPLODED VIEWS

2-1. Chassis and Picture Tube 13

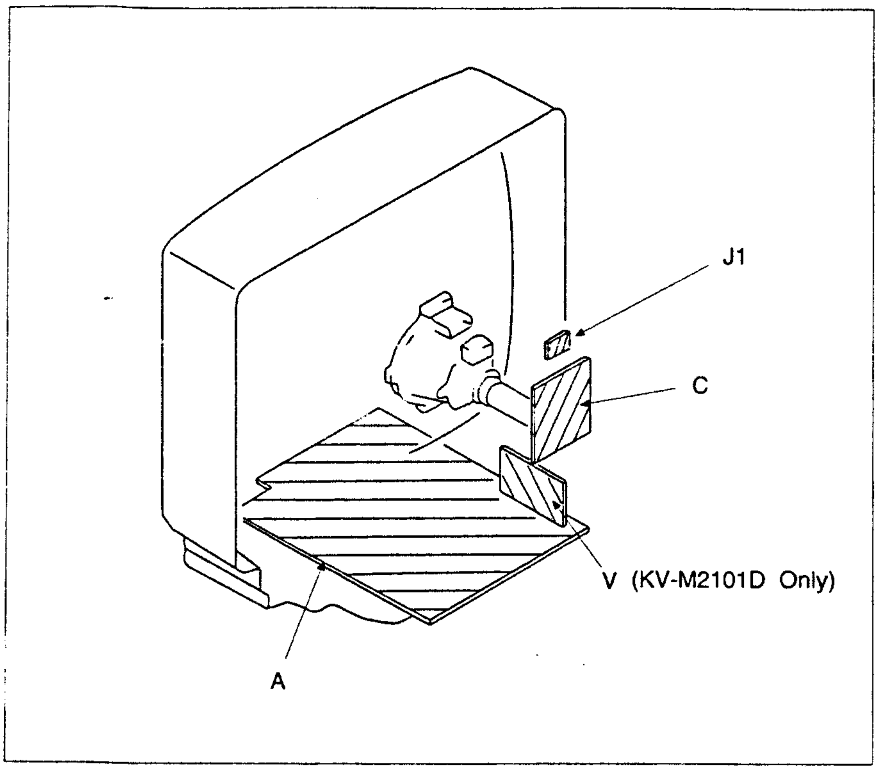
3. ELECTRICAL PARTS LIST 14

MICROFILM

TRINITRON® COLOR TV

SONY®

1-1. CIRCUIT BOARD LOCATION



Note :

- All capacitors are in µF unless otherwise noted. pF: µµF 50WV or less are not indicated except for electrolytic and tantalums.
- All resistors are in ohms.
  kΩ = 1000Ω, MΩ = 1000KΩ
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5 mm
Rating electrical power ¼ W

- ! : nonflammable resistor.
- △ : internal component.
- ⊐ : panel designation, or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- ⊥ : earth - ground.
- ⏚ : earth - chassis.
- ♯ : not mounted.

Note : The components identified by shading and marked ! are critical for safety. Replace only with the part numbers specified.

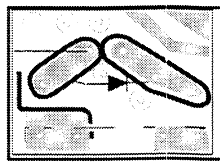
Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
	: RW	NONFLAMMABLE WIREWOUND
	: ·ᐧ͘·	ADJUSTABLE RESISTOR
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

- Readings are taken with a colour-bar signal input.
- Readings are taken with 10MΩ digital multimeter.
- Voltages are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.
- Circled numbers are waveform references.
- ▬ : B+ bus.
- : signal path (RF)

1-2. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS.

A [SYSTEM CONTROL, A/V OUT
H/V OUT, MEMORY, CHROMA]

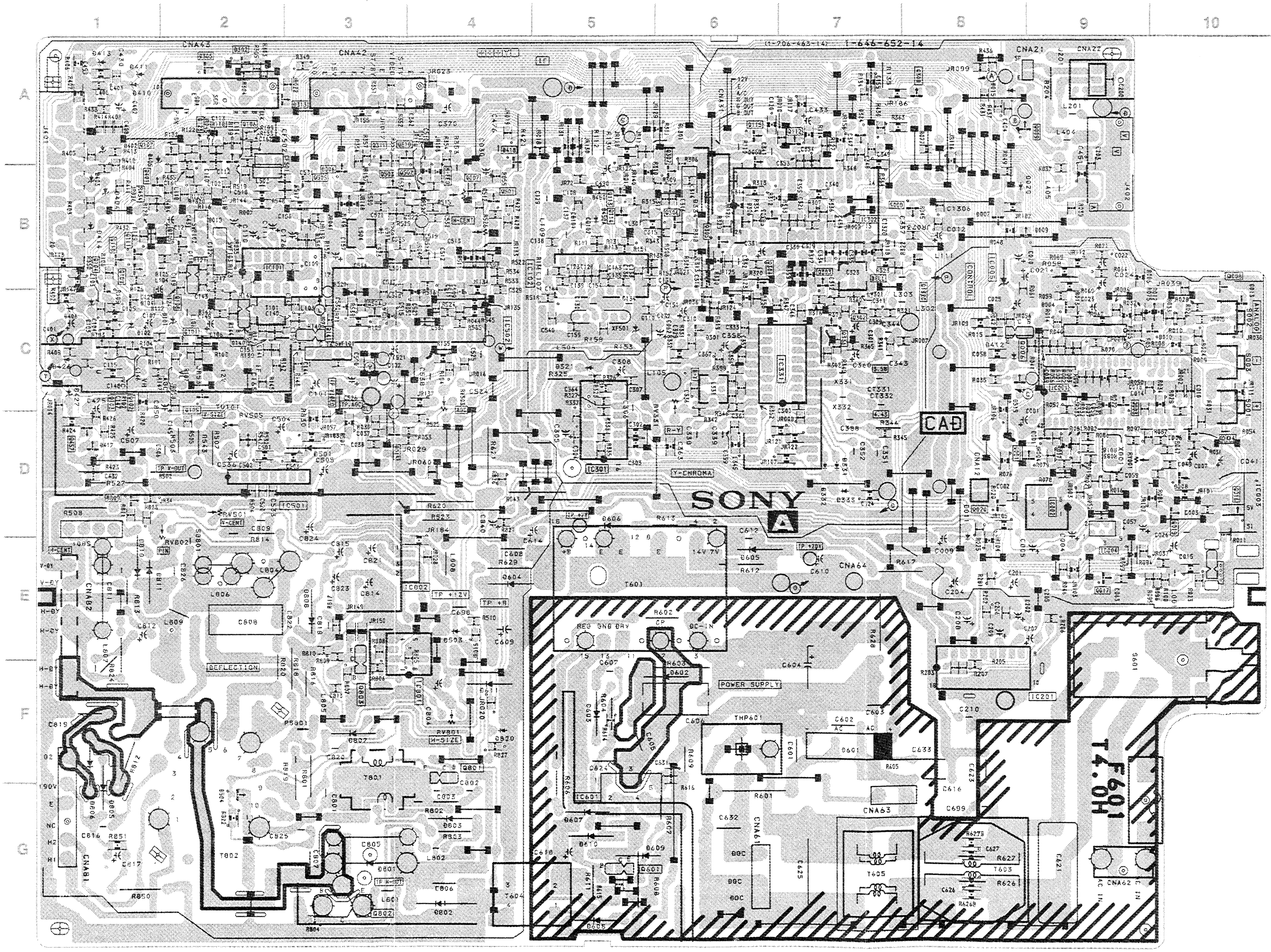


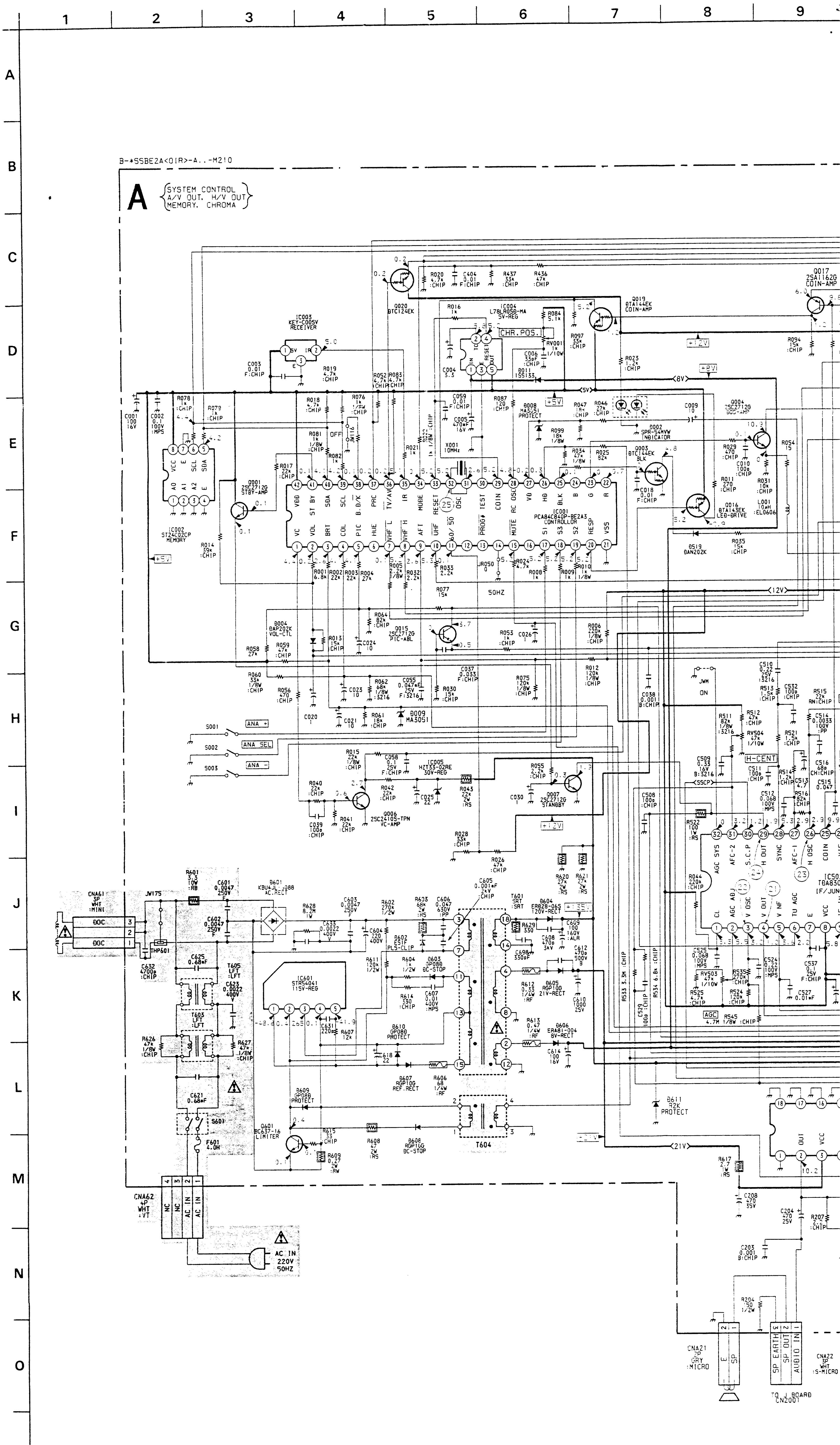
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock during inspection or repair.

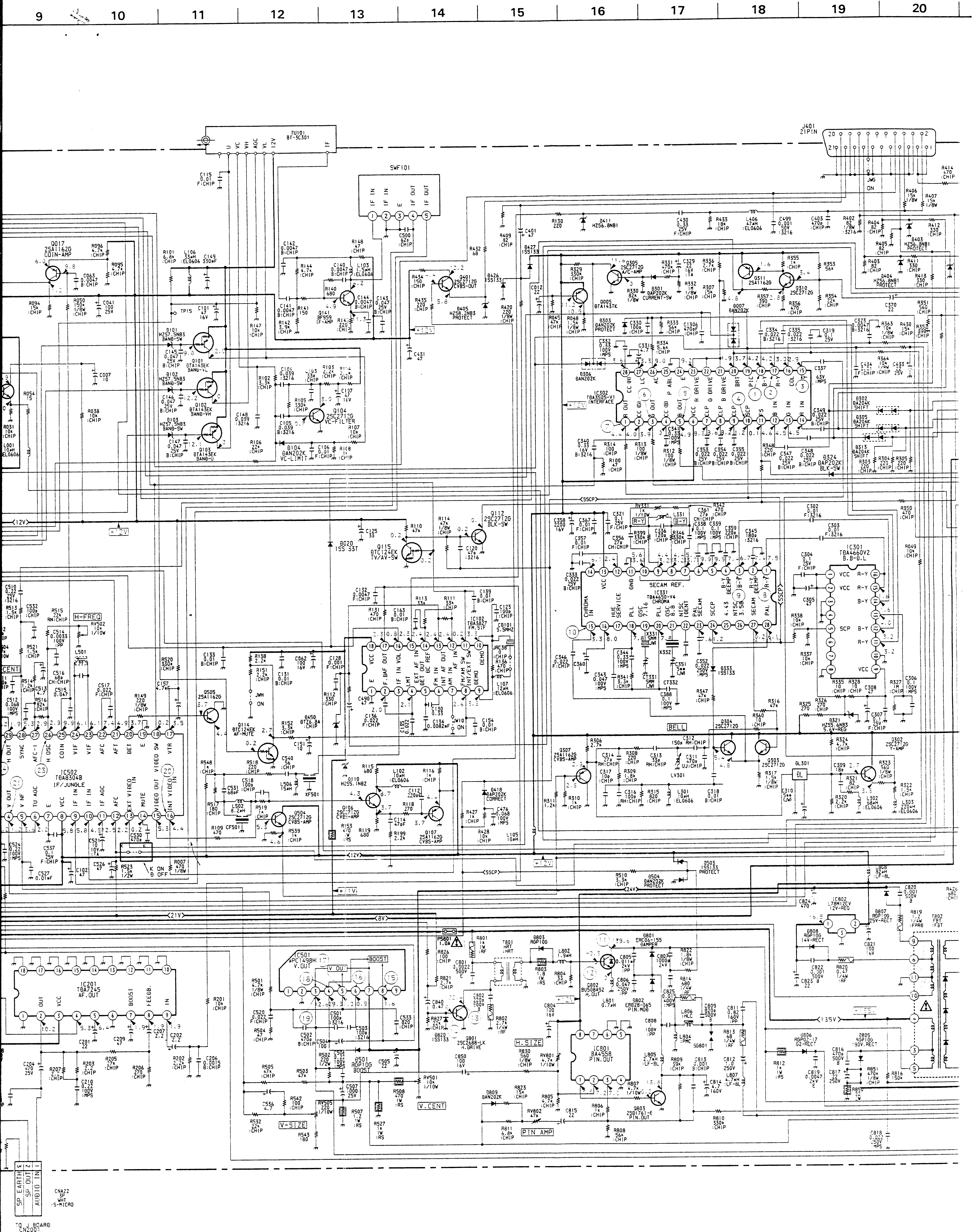
- A BOARD -

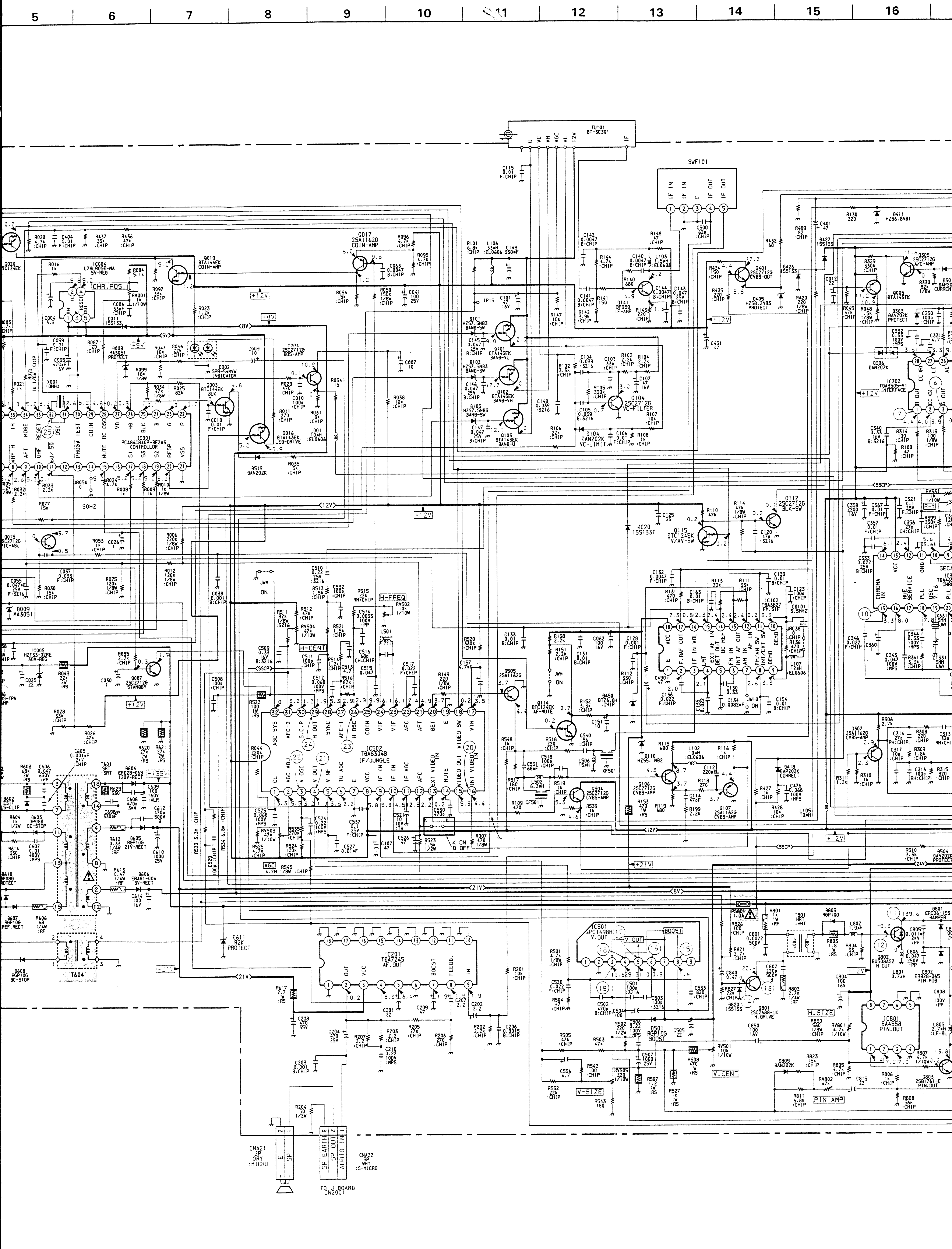
A Board

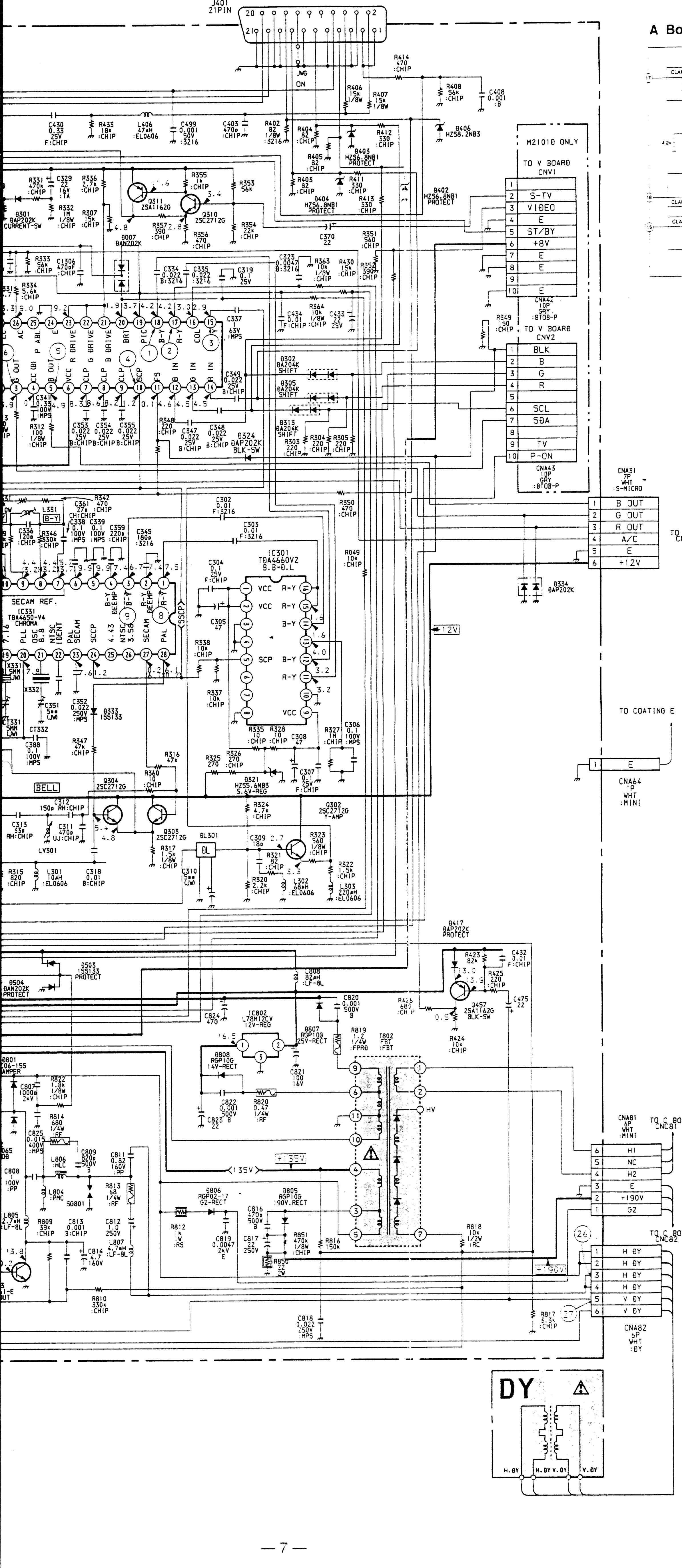
DIODE		DIODE		TRANSISTOR	
D002	E-10	D604	E-4	Q001	D-8
D004	C-9	D605	E-6	Q003	C-9
D007	B-8	D606	D-5	Q004	D-10
D008	D-10	D607	G-5	Q005	B-8
D009	B-8	D608	H-5	Q006	C-8
D011	E-8	D609	G-5	Q007	B-4
D020	B-8	D610	G-5	Q015	D-3
D110	C-5	D611	F-4	Q016	D-10
D301	C-6	D801	G-3	Q017	E-9
D302	A-2	D802	H-4	Q019	D-10
D303	B-6	D803	G-4	Q020	D-8
D305	A-2	D805	G-1	Q104	C-1
D306	B-6	D806	F-1	Q106	A-2
D313	A-3	D807	F-3	Q107.	A-2
D321	C-5	D808	E-3	Q112	A-7
D324	A-7	D810	E-1	Q114	B-5
D334	B-6	D811	E-1	Q115	A-6
D402	A-1	D820	F-4	Q123	A-2
D403	B-1	IC		Q141	C-3
D404	B-1			Q302	C-7
D405	A-1	IC001	C-9	Q304	B-6
D406	C-1	IC002	D-9	Q305	B-6
D411	A-1	IC003	D-10	Q307	B-6
D417	D-1	IC004	E-9	Q310	A-3
D418	A-4	IC005	B-8	Q311	A-3
D426	C-1	IC102	B-5	Q401	B-1
D427	C-1	IC201	F-8	Q457	D-1
D450	B-5	IC301	D-5	Q504	C-3
D501	D-3	IC302	B-7	Q505	B-3
D503	E-4	IC331	C-7	Q601	G-5
D504	G-2	IC501	D-2	Q801	F-4
D519	C-8	IC502	C-4	Q802	H-3
D601	F-7	IC601	G-5	Q803	F-3
D602	F-6	IC801	F-3		
D603	F-5	IC802	E-4	VARIABLE RESISTOR	
		TRIMMER			
		CT331	C8	RV001	D-9
		CT332	C8	RV501	D-2
				RV502	B-4
				RV503	C-4
				RV505	D-2
				RV801	F-4
				RV802	E-2


1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
G
1-646-652-14
CNA43
CNA42
CNA21
CNA22
CNA64
CNA63
CNA61
CNA62
CNA81
CNA82
SONY
A
CAD
CONTROL
Y-CHROMA
R-Y
POWER SUPPLY
DEFLECTION
H-CENT
H-SIZE
V-CENT
TP +12V
TP +9
TP +5V
T601
T603
T604
T605
T801
T802
IC201
IC301
IC331
IC601
F601
T4.0H

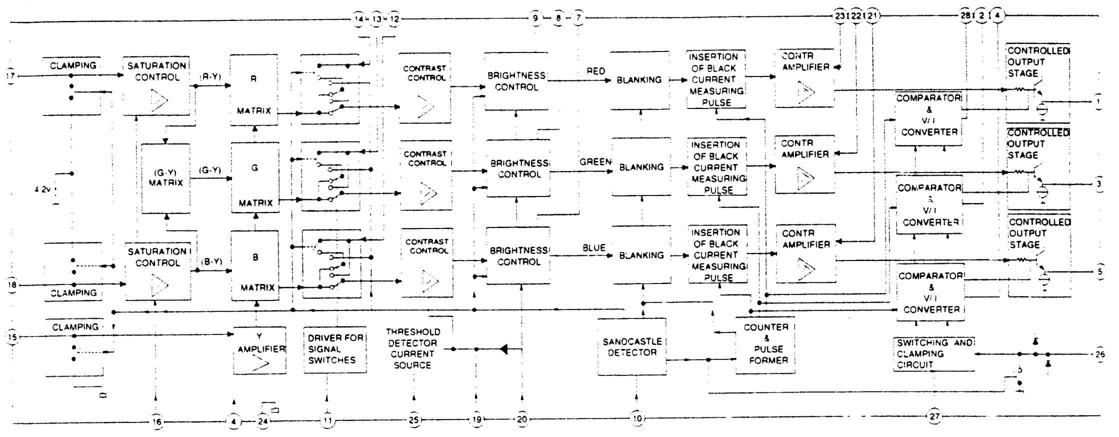

B-*SSBE2A<0IR>-A..-M210
A
SYSTEM CONTROL
A/V OUT. H/V OUT
MEMORY. CHROMA
IC001
PCA84C840P-BE2A3
CONTROLLOR
IC002
ST24C02CP
MEMORY
IC003
KEY-C005V
RECEIVER
IC004
L78LR05D-MA
5V-REG
IC005
HZT33-02RE
30V-REG
IC601
STR54041
115V-REG
Q001
2SC2712G
STBY-AMP
Q003
BTC144EK
BLK
Q004
2SC2712G
OSD-AMP
Q006
2SC2410S-TPN
VC-AMP
Q007
2SC2712G
STANDBY
Q015
2SC2712G
PIC-ABL
Q016
BTA143EK
LED-DRIVE
Q017
2SA1162G
COIN-AMP
Q019
BTA144EK
COIN-AMP
Q020
BTC124EK
Q601
BC637-16
LIMITER
D002
SPR-54MVW
INDICATOR
D004
DAP202K
VOL-CTL
D008
MA3251
PROTECT
D009
MA3051
D011
1SS133
D519
DAN202K
D601
KBU4JL-4088
AC.RECT
D611
RZK
PROTECT
T601
SRT
T604
X001
10MHz
CHR.POS.
H-CENT
S001
S002
S003
ANA +
ANA SEL
ANA -
S601
F601
4.0H
JW175
JWH
ON
50HZ
OFF
<5V>
<8V>
<12V>
<21V>
+5V
+12V
+8V
+135
CNA61
3P
WHT
:MINI
CNA62
4P
WHT
:VT
NC
AC IN
AC IN
220V
50HZ
CNA21
2P
GRY
:MICRO
E
SP
SP EARTH
SP OUT
AUDIO IN
CNA22
5P
WHT
:S-MICRO
TO J BOARD
CN2001
IC501
TDA830
1
2
3
4
5
6
7
8
9
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P


9
10
11
12
13
14
15
16
17
18
19
20
TU101 BT-SC301
U VC VH AGC VL 12V IF
SWF101
IF IN IF IN E IF OUT IF OUT
J401 21PIN
Q017 2SA1162G COIN-AMP
Q101 DTA143EK BAND-SW
Q102 DTA143EK BAND-VH
Q103 DTA143EK BAND-U
Q104 2SC2712G VC-FILTER
Q141 BF959 IF-AMP
Q401 2SC2712G CVBS-OUT
Q305 2SC2712G A/C-AMP
Q311 2SA1162G
Q310 2SC2712G
Q301 DAP202K CURRENT-SW
Q005 DTA143TK
IC302 TDA3505-V1 INTERFACE
IC331 TDA4650-V4 CHROMA
SECAM REF.
IC301 TDA4660V2 B.B-D.L
IC102 TDA3827 FM.SIF
IC502 TDA8304B IF/JUNGLE
H-FREQ
CENT
Q112 2SC2712G BLK-SW
Q115 DTC124EK TV/AV-SW
Q114 DTC124EK AF-MUTE
Q505 2SA1162G
Q504 2SC2712G CVBS-AMP
Q106 2SC2712G CVBS-AMP
Q107 2SA1162G CVBS-AMP
Q307 2SA1162G CVBS-AMP
Q304 2SC2712G
Q303 2SC2712G
Q302 2SC2712G Y-AMP
BELL
DL301
LV301
IC201 TDA7245 AF.OUT
IC501 μPC1498H V.OUT
BOOST
V OUT
V-SIZE
V.CENT
IC801 BA4558 PIN.OUT
Q801 2SC2688-LK H.DRIVE
Q802 BU508AS2 H.OUT
Q803 2SD1761-E PIN.OUT
H.SIZE
PIN AMP
IC802 L78M12CV 12V-REG
T801 HRT
T802 FBT
<12V>
<21V>
<8V>
<24V>
<135V>
<SSCP>
CNA22 SP WHT :S-MICRO
SP EARTH
SP OUT
AUDIO IN
TO J BOARD CN2001

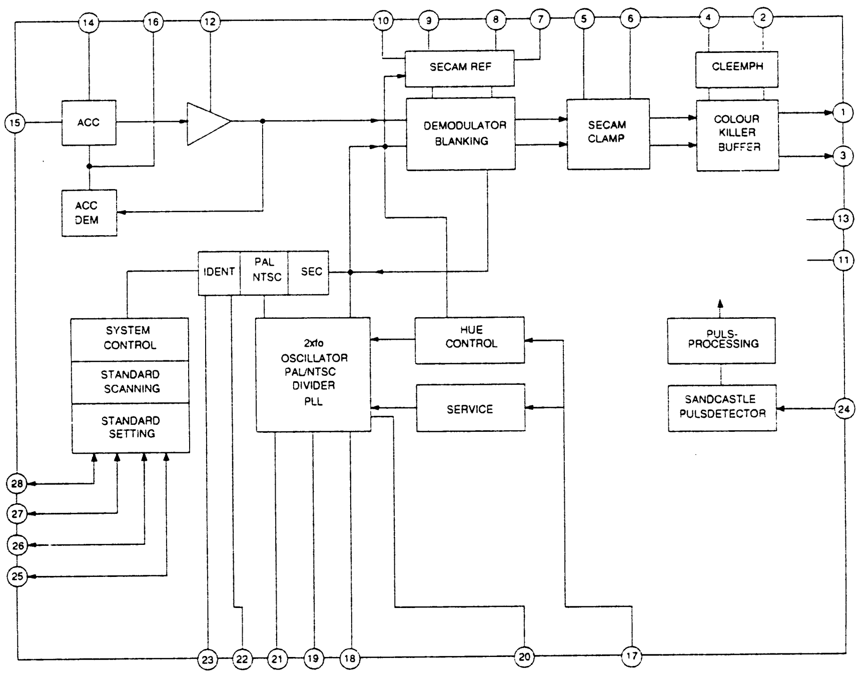

5
6
7
8
9
10
11
12
13
14
15
16
TU101
BT-3C301
U
VC
VH
AGC
VL
12V
IF
SWF101
IF IN
IF IN
E
IF OUT
IF OUT
IC001
PCA84C840P-BE2A3
CONTROLLOR
IC004
L78LR05B-MA
5V-REG
CHR.POS.
RV001
Q017
2SA1162G
COIN-AMP
Q019
BTA144EK
COIN-AMP
Q020
BTC124EK
Q003
BTC144EK
BLK
Q004
2SC2712G
DOS-AMP
Q016
BTA143EK
LED-DRIVE
Q007
2SC2712G
STANBBY
Q015
2SC2712G
PIC-ABL
D002
SPR-54MVW
INDICATOR
D008
MA3051
PROTECT
D009
MA3051
D519
DAN202K
IC005
HZT33-02RE
30V-REG
X001
10MHz
50HZ
Q101
BTA143EK
BAND-VL
Q102
BTA143EK
BAND-VH
Q103
BTA143EK
BAND-U
D101
HZS7.5NB3
BAND-SW
D102
HZS7.5NB3
BAND-SW
D103
HZS7.5NB3
BAND-SW
Q104
2SC2712G
VC-FILTER
D104
DAN202K
VC-LIMIT
Q141
BF959
IF-AMP
Q401
2SC2712G
CVBS-OUT
D405
HZS6.2NB3
PROTECT
D426
1SS133
D427
1SS133
D411
HZS6.8NB1
Q305
2SC2712G
A/C-AMP
Q005
BTA143TK
D303
DAN202K
PROTECT
D306
DAN202K
IC302
TDA3505-V1
INTERFACE
Q112
2SC2712G
BLK-SW
Q115
BTC124EK
TV/AV-SW
D020
1SS133T
IC502
TDA8304B
IF/JUNGLE
H-FREQ
RV502
H-CENT
RV504
L501
AGC
RV503
IC102
TDA3827
FM.SIF
CB101
5.5MHZ
Q505
2SA1162G
Q114
BTC124EK
AF-MUTE
D450
BTZ6.8A
JWH
ON
JW101
Q504
2SC2712G
CVBS-AMP
XF501
CF501
Q106
2SC2712G
CVBS-AMP
Q107
2SA1162G
CVBS-AMP
D110
HZS5.1NB2
D418
DAP202K
CORRECT
Q307
2SA1162G
CVBS-AMP
IC301
TDA4650
SECAM
CHROMA IN
VCC
GND
HUE SERVICE
PLL
OSC
T601
SRT
T604
D604
ERB28-06S
120V-RECT
D605
RGP10G
21V-RECT
D606
ERA81-004
9V-RECT
D610
RGP08D
PROTECT
D602
ES1F
D603
GP08B
BC-STOP
D607
RGP10G
REF.RECT
D608
RGP10G
BC-STOP
D611
RZK
PROTECT
IC201
TDA7245
AF.OUT
OUT
VCC
BOOST
FEEDB.
IN
IC501
μPC1498H
V.OUT
BOOST
D501
RGP10G
BOOST
RV501
V.CENT
V-SIZE
RV505
D820
1SS133
Q801
2SC2688-LK
H.DRIVE
PS801
1.0A
T801
HRT
D803
RGP10G
L802
1.9mH
Q802
BU508AS2
H.OUT
D801
ERC06-15S
DAMPER
L801
0.7μH
D802
ERB28-06S
PIN.MOD
H.SIZE
RV801
IC801
BA4558
PIN.OUT
D809
DAN202K
RV802
PIN AMP
Q803
2SD1761-E
PIN.OUT
<5V>
<8V>
<12V>
<21V>
<24V>
<SSCP>
+5V
+8V
+12V
+21V
+135V
CNA21
2P
GRY
:MICRO
E
SP
CNA22
3P
WHT
:S-MICRO
SP EARTH
SP OUT
AUDIO IN
TO J BOARD
CN2001


J401
21PIN
M21010 ONLY
TO V BOARD
CNV1
S-TV
VIDEO
E
ST/BY
+8V
E
E
E
CNA42
10P
GRY
:BT08-P
TO V BOARD
CNV2
BLK
B
G
R
SCL
SDA
TV
P-ON
CNA43
10P
GRY
:BT08-P
CNA31
7P
WHT
:S-MICRO
B OUT
G OUT
R OUT
A/C
E
+12V
TO C BOARD
CNC72
IC301
TDA4660V2
B.B-D.L
IC331
TBA4650-V4
CHROMA
SECAM REF.
+12V
TO COATING E
CNA64
1P
WHT
:MINI
BELL
IC802
L78M12CV
12V-REG
CNA81
6P
WHT
:MINI
TO C BOARD
CNC81
H1
NC
H2
E
+190V
G2
HV
+135V
135V
+190V
TO C BOARD
CNC82
H DY
H DY
H DY
H DY
V DY
V DY
CNA82
6P
WHT
:DY
DY
H.DY
H.DY V.DY
V.DY

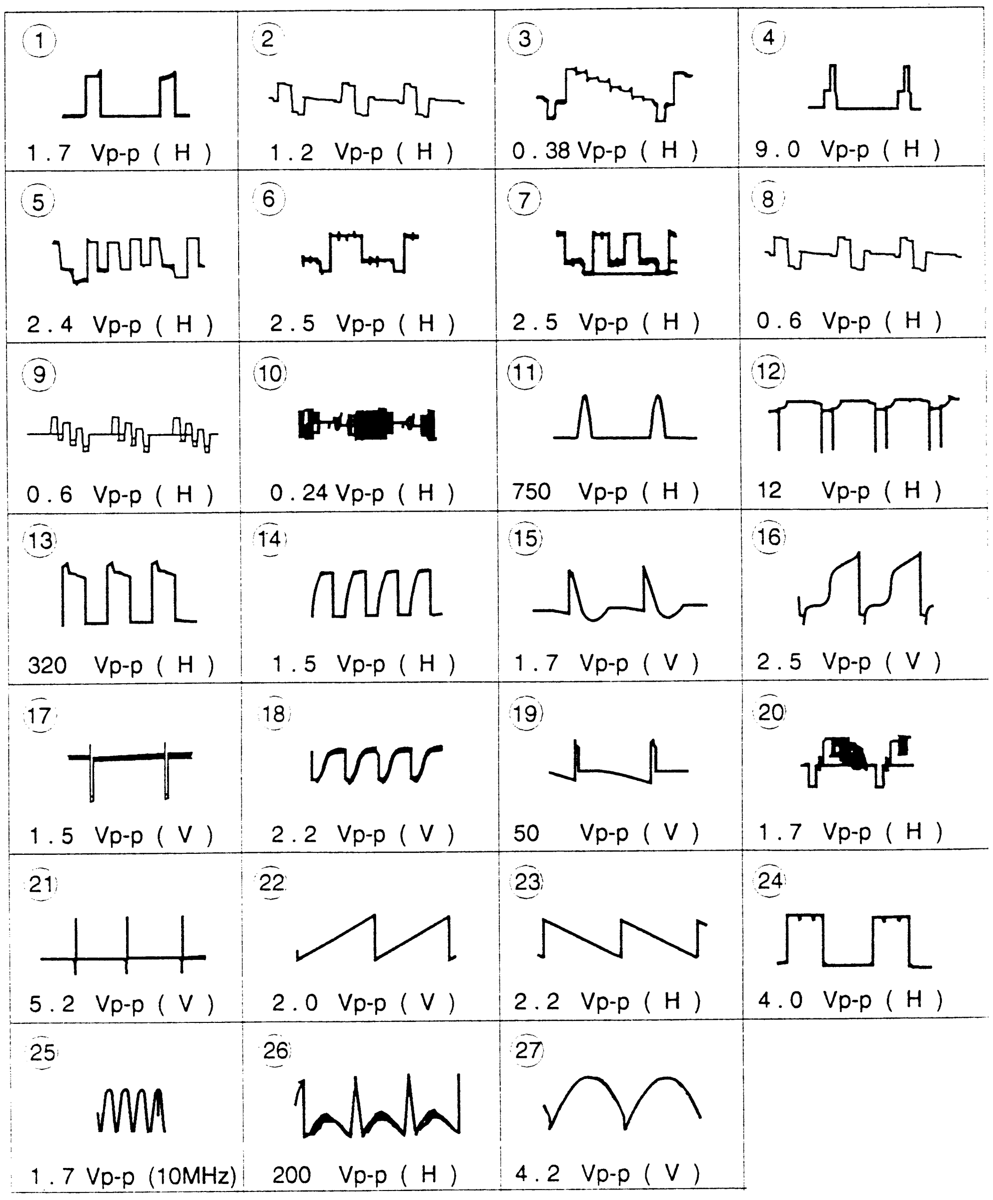
A Board IC302 TDA3505-V1

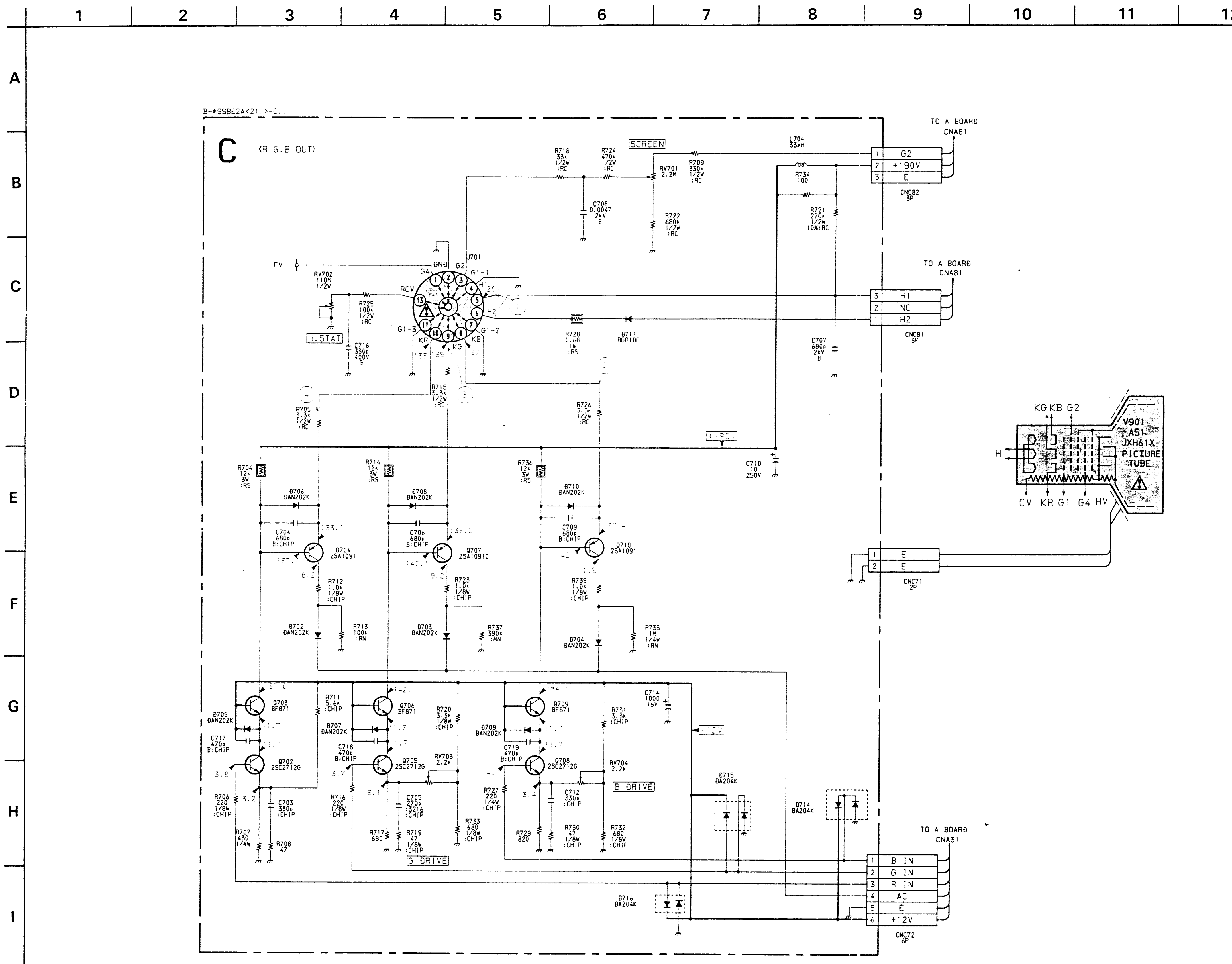

CLAMPING
SATURATION CONTROL
(R-Y)
R
MATRIX
(G-Y) MATRIX
(G-Y)
G
MATRIX
(B-Y)
B
MATRIX
CONTRAST CONTROL
BRIGHTNESS CONTROL
RED
GREEN
BLUE
BLANKING
INSERTION OF BLACK CURRENT MEASURING PULSE
CONTR AMPLIFIER
CONTROLLED OUTPUT STAGE
COMPARATOR & V/I CONVERTER
Y AMPLIFIER
DRIVER FOR SIGNAL SWITCHES
THRESHOLD DETECTOR CURRENT SOURCE
SANDCASTLE DETECTOR
COUNTER & PULSE FORMER
SWITCHING AND CLAMPING CIRCUIT

A Board IC331 TDA4650-V4

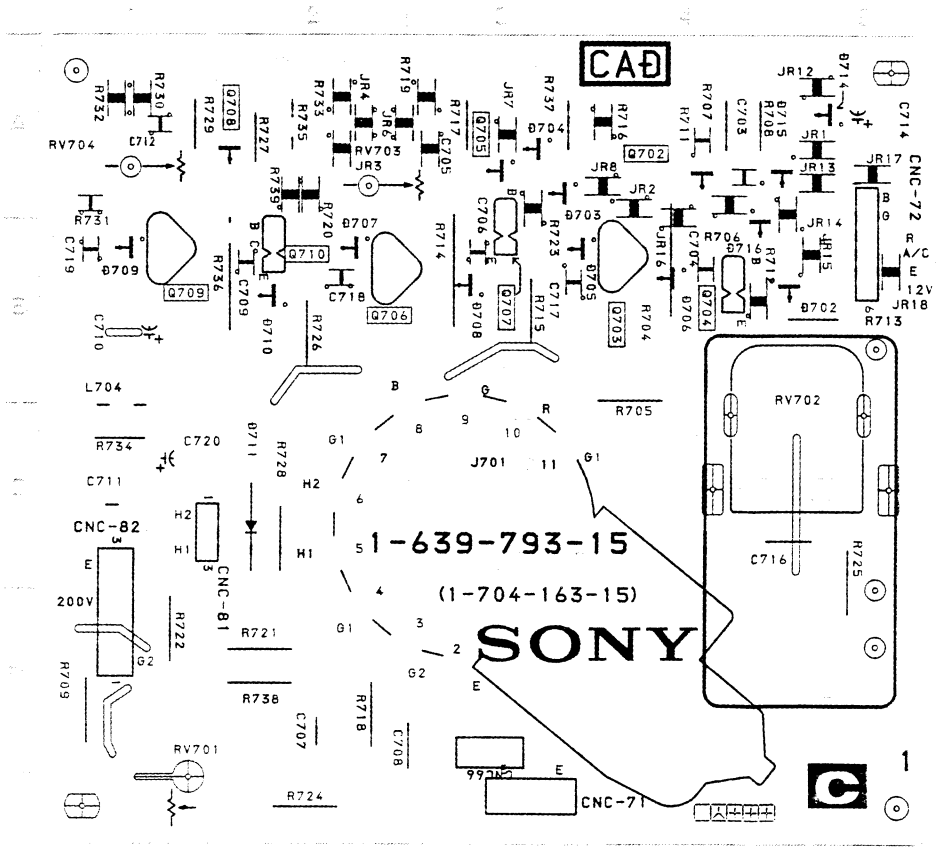

ACC
ACC DEM
SECAM REF
DEMODULATOR BLANKING
SECAM CLAMP
CLEEMPH
COLOUR KILLER BUFFER
IDENT
PAL NTSC
SEC
SYSTEM CONTROL
STANDARD SCANNING
STANDARD SETTING
2xfo OSCILLATOR PAL/NTSC DIVIDER PLL
HUE CONTROL
SERVICE
PULS-PROCESSING
SANDCASTLE PULSDETECTOR

A BOARD WAVEFORMS

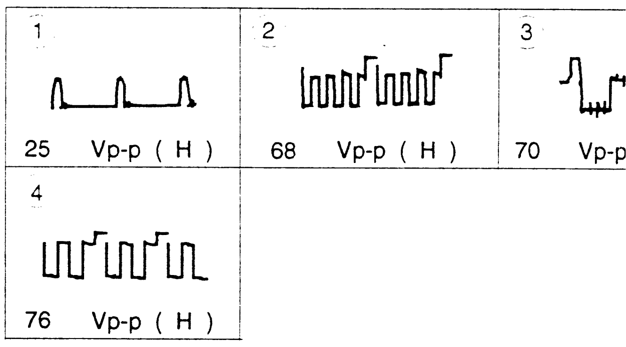



1
2
3
4
5
6
7
8
9
10
11
A
B
C
D
E
F
G
H
I
C
(R.G.B OUT)
SCREEN
TO A BOARD CNA81
G2
+190V
E
CNC82 3P
TO A BOARD CNA81
H1
NC
H2
CNC81 3P
R716 33k 1/2W :RC
R724 470k 1/2W :RC
RV701 2.2M
R709 330k 1/2W :RC
L704 33µH
R734 100
R721 220k 1/2W 10W:RC
C708 0.0047 2kV E
R722 680k 1/2W :RC
U701
FV
RV702 110M 1/2W
R725 100k 1/2W :RC
RCV
GND
G4
G2
G1-1
H1
H2
G1-3
G1-2
KR
KG
KB
H.STAT
C716 330p 400V B
R728 0.68 1W :RS
D711 RGP10G
C707 680p 2kV B
R715 3.3k 1/2W :RC
R705 3.3k 1/2W :RC
R726 3.3k 1/2W :RC
+190V
C710 10 250V
R704 12k 3W :RS
R714 12k 3W :RS
R736 12k 3W :RS
D706 DAN202K
D708 DAN202K
D710 DAN202K
C704 680p B:CHIP
C706 680p B:CHIP
C709 680p B:CHIP
Q704 2SA1091
Q707 2SA1091
Q710 2SA1091
R712 1.0k 1/8W :CHIP
R723 1.0k 1/8W :CHIP
R739 1.0k 1/8W :CHIP
D702 DAN202K
R713 100k :RN
D703 DAN202K
R737 390k :RN
D704 DAN202K
R735 1M 1/4W :RN
Q703 BF871
D705 DAN202K
C717 470p B:CHIP
Q702 2SC2712G
R711 5.6k :CHIP
D707 DAN202K
Q706 BF871
C718 470p B:CHIP
Q705 2SC2712G
R720 3.3k 1/8W :CHIP
RV703 2.2k
D709 DAN202K
Q709 BF871
C719 470p B:CHIP
Q708 2SC2712G
R731 3.3k :CHIP
C714 1000 16V
RV704 2.2k
+12V
R706 220 1/8W :CHIP
C703 330p :CHIP
R707 430 1/4W
R708 47
R716 220 1/8W :CHIP
C705 270p :3216 :CHIP
R717 680
R719 47 1/8W :CHIP
R733 680 1/8W :CHIP
G DRIVE
R727 220 1/4W :CHIP
C712 330p :CHIP
R729 820
R730 47 1/8W :CHIP
R732 680 1/8W :CHIP
B DRIVE
D715 DA204K
D714 DA204K
D716 DA204K
TO A BOARD CNA31
B IN
G IN
R IN
AC
E
+12V
CNC72 6P
E
E
CNC71 2P
KG KB G2
V901 A51 JXH61X PICTURE TUBE
H
CV KR G1 G4 HV

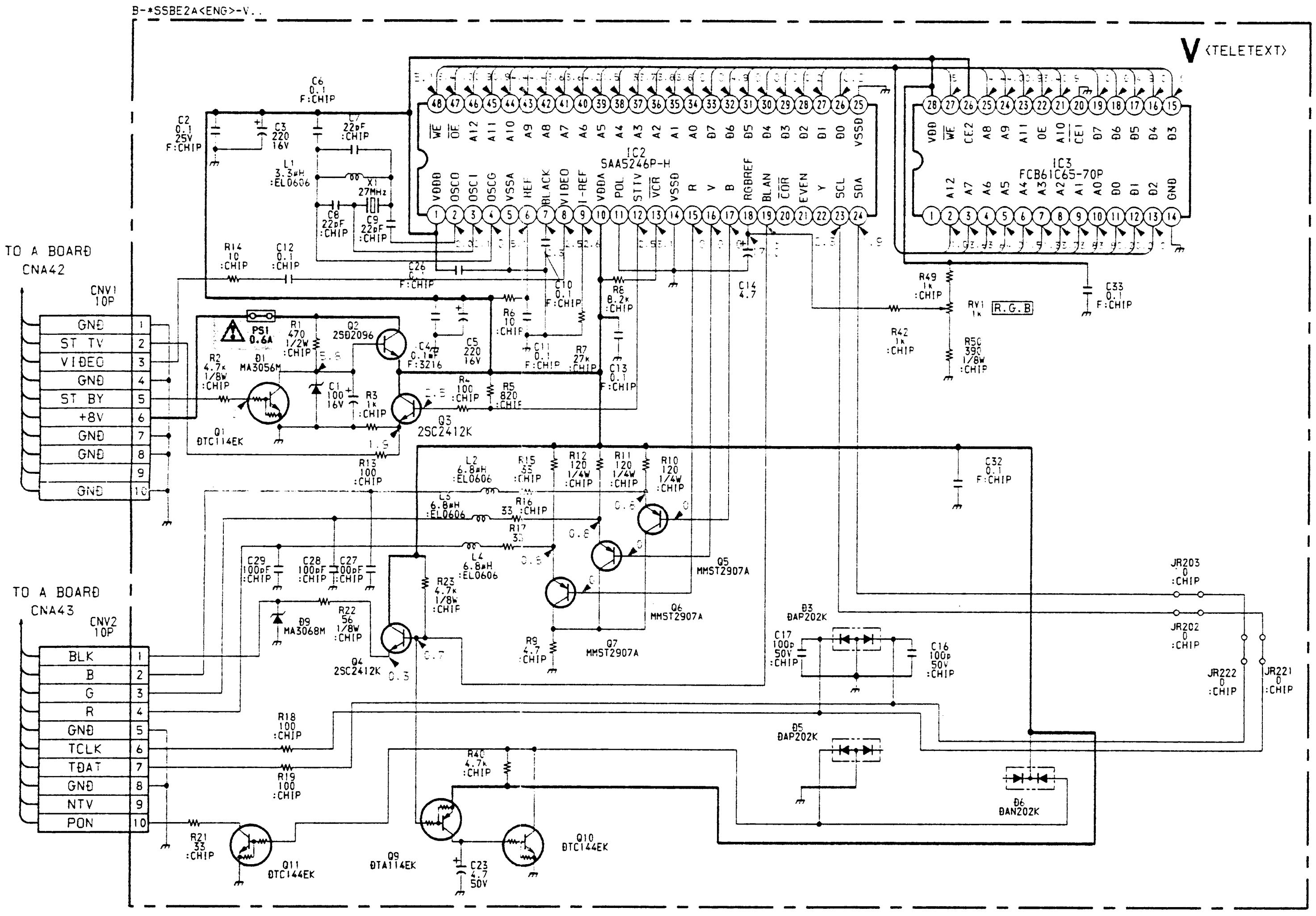
- C BOARD -


CAD
1-639-793-15
(1-704-163-15)
SONY
C
RV704
RV703
RV702
RV701
J701
CNC-82
CNC-81
CNC-71
CNC-72
200V
12V
A/C

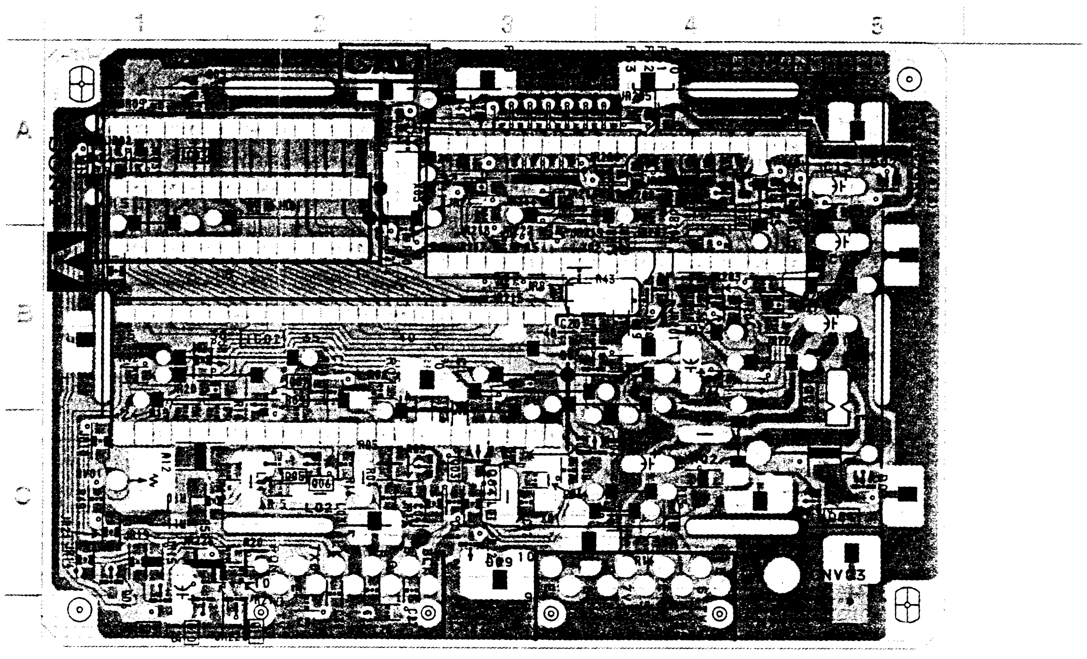
C BOARD WAVEFORMS

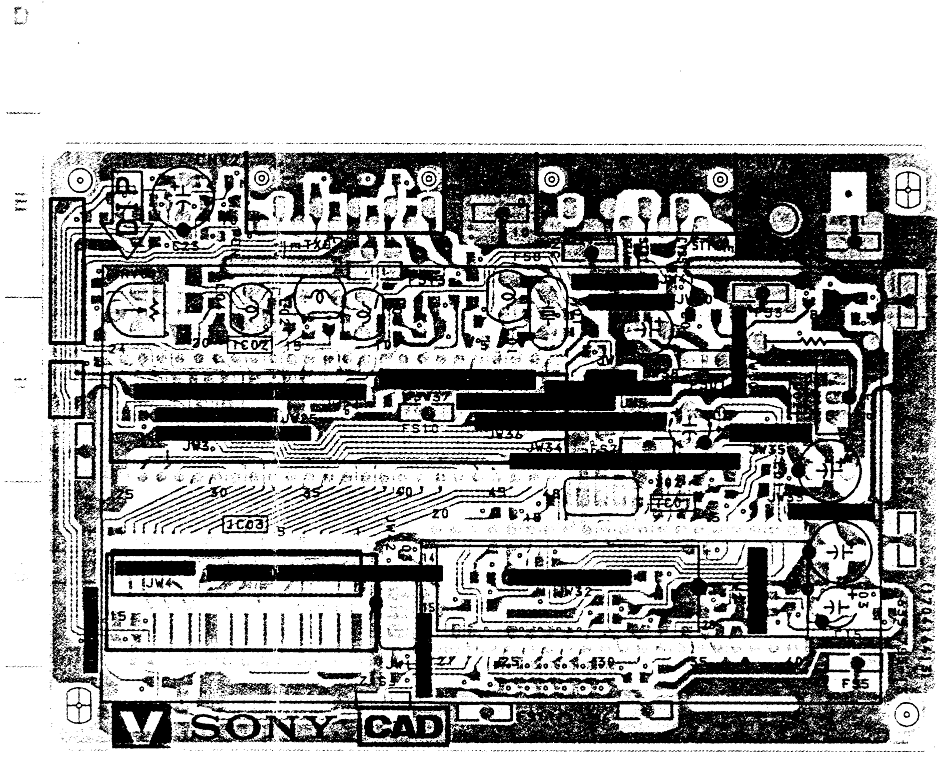


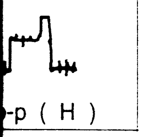
12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24


B-*SSBE2A<ENG>-V
V (TELETEXT)
TO A BOARD CNA42
CNV1 10P
GND
ST TV
VIDEO
GND
ST BY
+8V
GND
GND
GND
TO A BOARD CNA43
CNV2 10P
BLK
B
G
R
GND
TCLK
TDAT
GND
NTV
PON
IC2 SAA5246P-H
IC3 FCB61C65-70P
X1 27MHz
PS1 0.6A
D1 MA3056M
Q1 DTC114EK
Q2 2SD2096
Q3 2SC2412K
Q4 2SC2412K
Q5 MMST2907A
Q6 MMST2907A
Q7 MMST2907A
Q9 DTA114EK
Q10 DTC144EK
Q11 DTC144EK
D3 DAP202K
D5 DAP202K
D6 DAN202K
D9 MA3068M
RV1 R.G.B
JR203
JR202
JR222
JR221

- V BOARD -



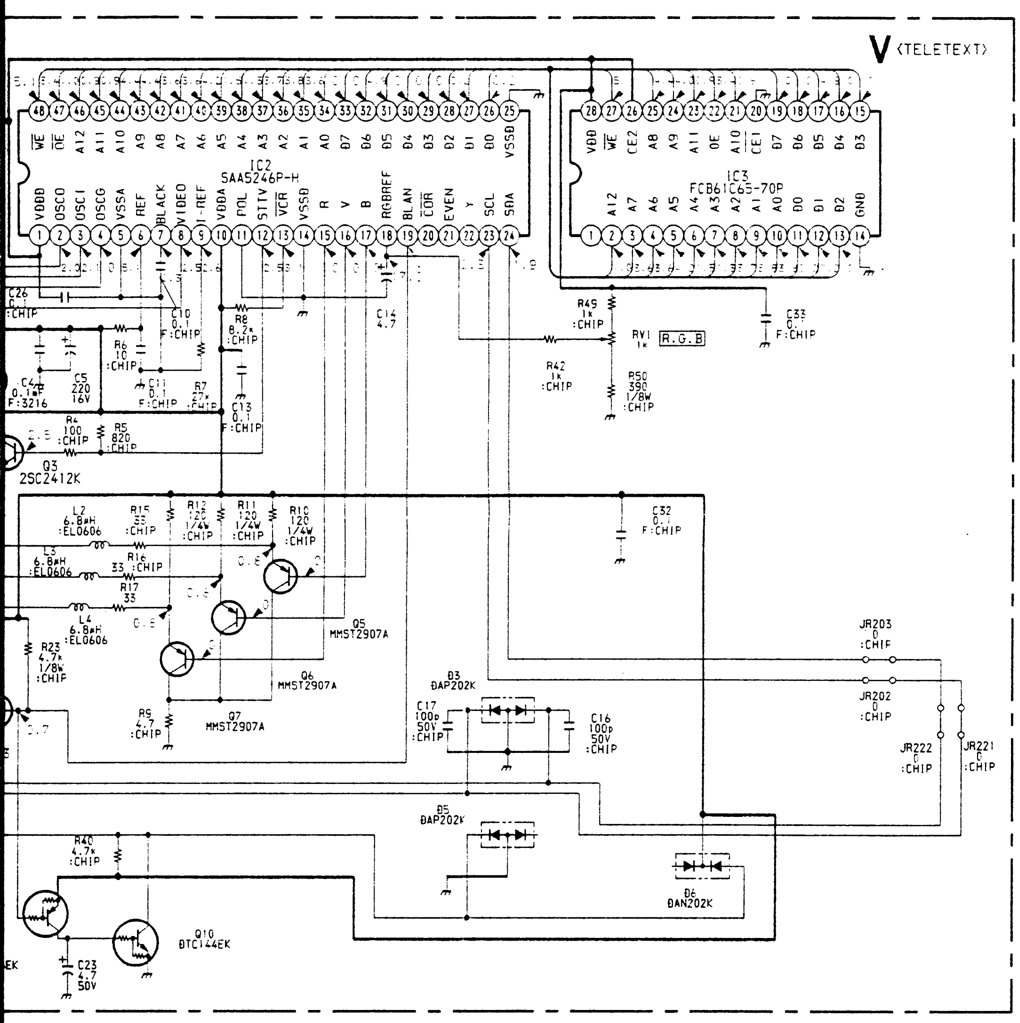

D
E
F
V SONY CAD



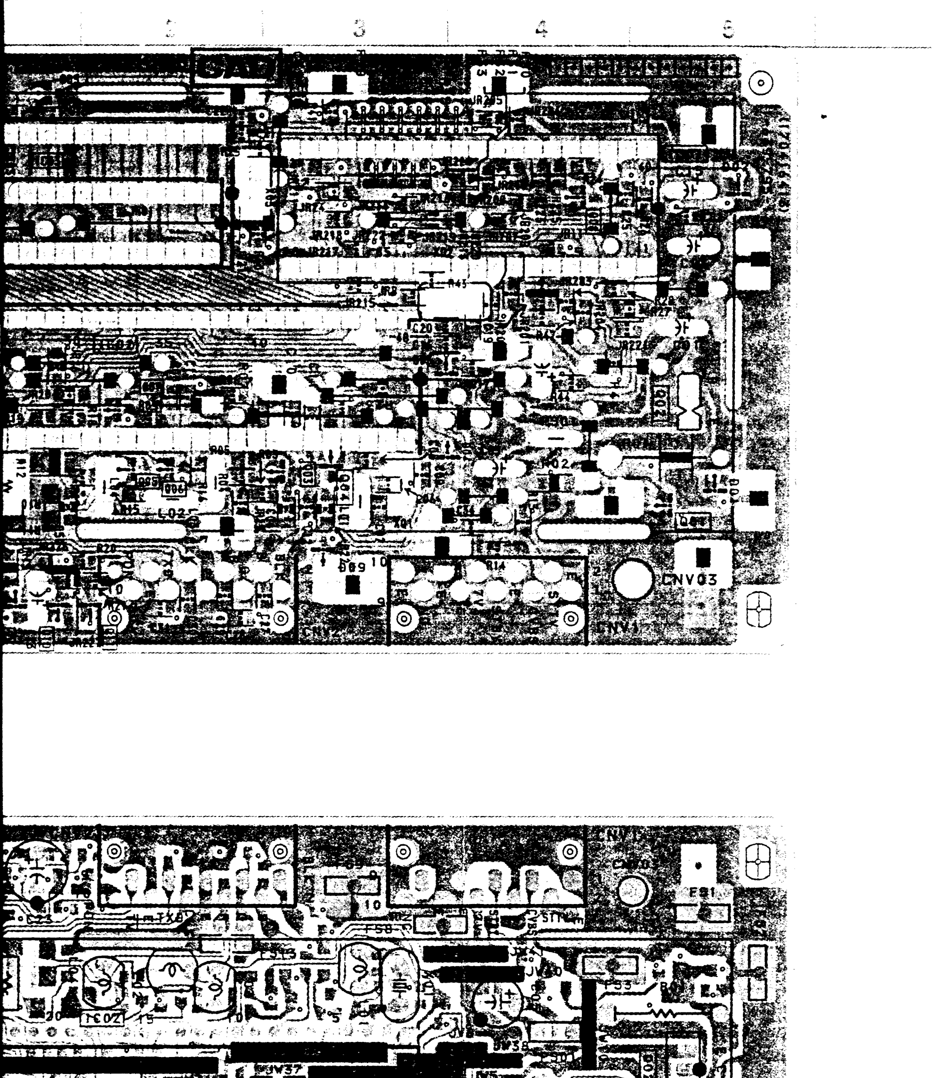
Note :

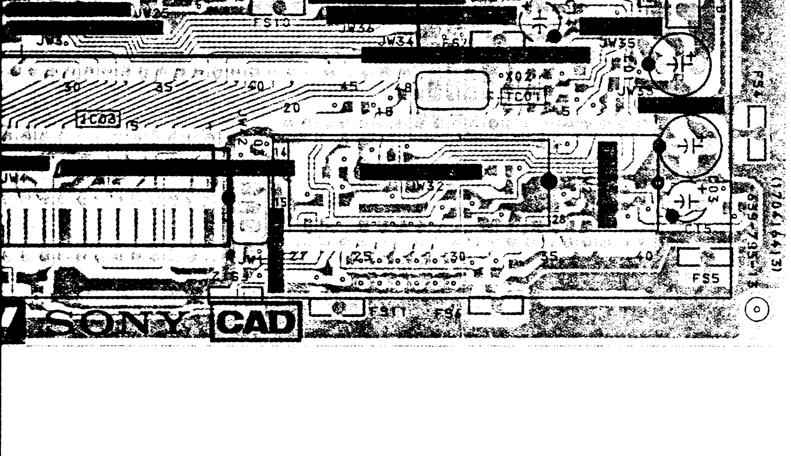
- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

16 17 18 19 20 21 22 23 24 25 26 27


V (TELETEXT)
IC2
SAA5246P-H
IC3
FCB61C65-70P
Q3
2SC2412K
Q5
MMST2907A
Q6
MMST2907A
Q7
MMST2907A
Q10
DTC144EK
D3
DAP202K
D5
DAP202K
D6
DAN202K
RV1
R.G.B
JR203
JR202
JR222
JR221
C23
4.7
50V

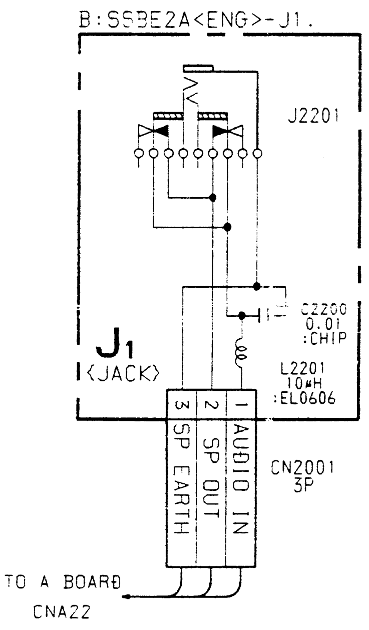
RD -



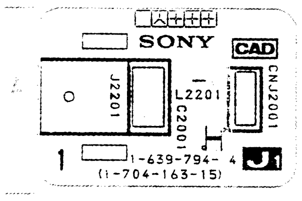


Note :

- : Pattern from the side which enables seeing.
- : Pattern of the rear side.


B:SSBE2A<ENG>-J1.
J2201
C2200
0.01
:CHIP
J1
<JACK>
L2201
10μH
:EL0606
1 AUDIO IN
2 SP OUT
3 SP EARTH
CN2001
3P
TO A BOARD
CNA22

- J1 BOARD -


SONY
CAD
J2201
L2201
C2200
CNJ2001
1
1-639-794-4
(1-704-163-15)
J1

SECTION 2

EXPLODED VIEWS

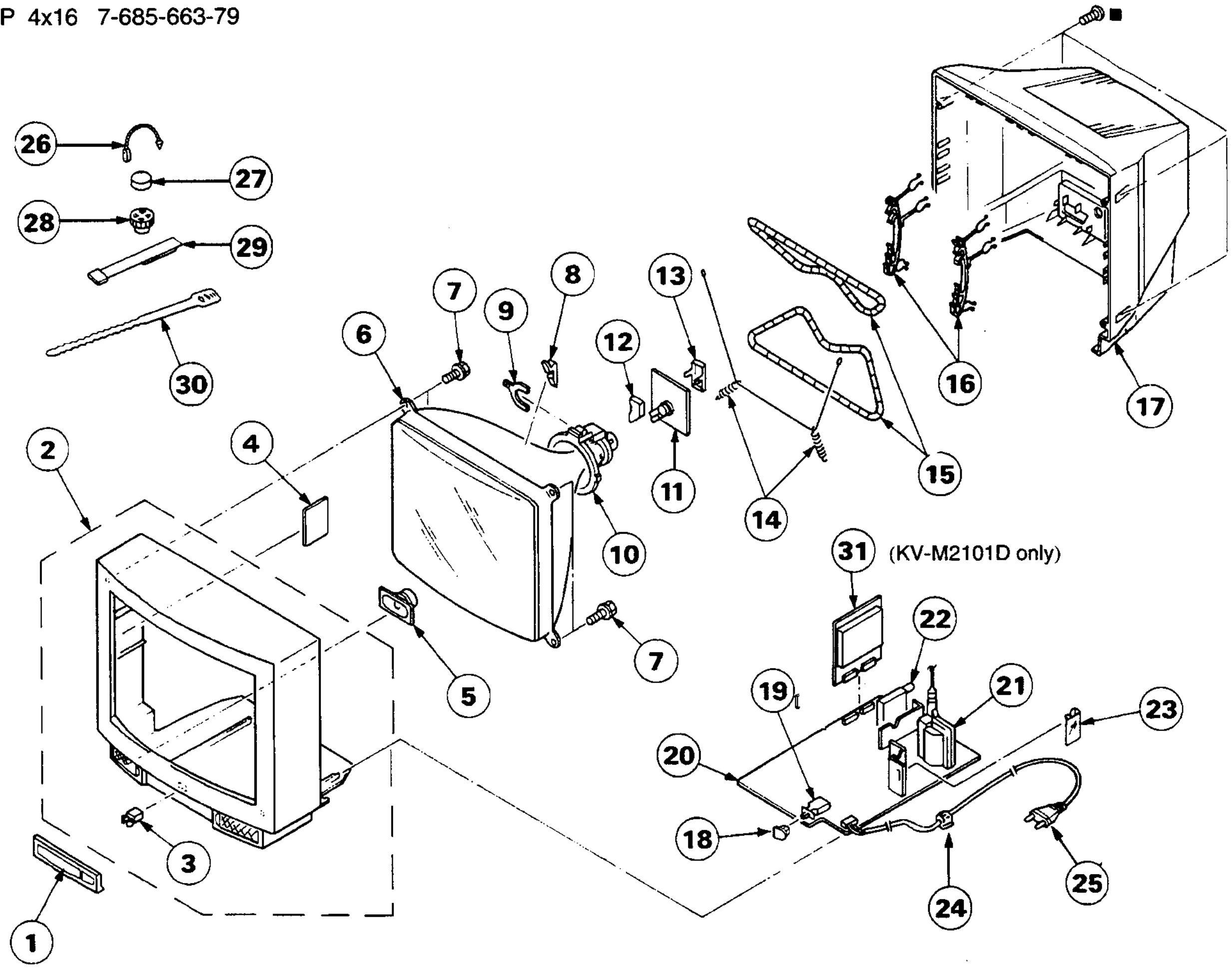
NOTE :

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and marked ⚠ are critical for safety.
Replace only with part number specified.

2-1. CHASSIS

■ : BVTP 4x16 7-685-663-79



REF.NO.		PART NO	DESCRIPTION	REMARK
1		X-4200-129-1	DOOR ASSY	
2		X-4200-078-2	BEZNET ASSY	
3		4-392-036-01	CATCHER, PUSH	
4		*1-639-794-13	J1, BOARD	
5		1-503-258-21	SPEAKER	
6	⚠	8-738-758-05	PICTURE TUBE (A51JXH61X)	
7		4-036-189-01	SCREW [S], PT	
8		3-704-495-01	SPACER, DY	
9		1-452-277-00	MAGNET, BMC	
10	⚠	1-451-295-11	DEFLECTION YOLK, [Y21PFA2]	
11		*A-1638-017-A	C BOARD, COMPLETE	
12		*4-379-167-01	COVER [MAIN], CV VOL	
13		*4-379-160-01	COVER [REAR LID], CV VOL	
14		4-369-318-21	SPRING, TENSION	
15	⚠	1-426-383-11	COIL, DEGAUSSING	
16		*4-386-622-11	BAND, DGC	
17		4-202-732-01	COVER, REAR	
18		4-202-360-02	BUTTON, POWER	
19	⚠	1-571-433-11	SWITCH, PUSH [AC POWER]	
20		*A-1632-201-A	A BOARD, COMPLETE (KV-M2100D)	
		*A-1632-200-A	A BOARD, COMPLETE (KV-M2101D)	
21	⚠	1-439-416-51	TRANSFORMER ASSY, FLYBACK [UX-1650]	
22		1-465-541-14	TUNER [BT-3C 301]	
23		*4-200-400-01	PLATE, INSULATION	
24	⚠	4-389-201-11	HOLDER, AC CORD	
25	⚠	1-765-286-11	CORD, POWER [WITH NOISE FILTER]	
26		4-308-870-00	CLIP, LEAD WIRE	
27		1-452-032-00	MAGNET, DISK;10MMØ	
28		1-452-094-00	MAGNET, ROTATABLE DISK;15MMØ	
29		X-4309-608-0	PERMALLOY ASSY, CONVERGENCE	
30		3-701-007-00	BAND, BINDING	
31		*A-1645-018-A	V BOARD, COMPLETE (KV-M2101D)	

ELECTRICAL PARTS LIST

SECTION 3

The components identified by shading and marked ! are critical for safety.
Replace only with the part number specified.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- All resistors are in ohms
- F : nonflammable

When indicating parts by reference number, please include the board name.

CAPACITORS
MF : mF, PF : mmF

COILS
MMH : mH, μH : mH

A

REF.NO.	PART NO.	DESCRIPTION			REMARK
	*A-1632-201-A	A BOARD, COMPLETE (KV-M2100D) *****************			
	*A-1632-200-A	A BOARD, COMPLETE (KV-M2101D) *****************			
	4-200-399-11	SPACER, IC			
	4-200-407-01	HOLDER, LED			
TP15	*1-535-084-00	1P TERMINAL PIN			
		< CAPACITOR >			
C001	1-126-101-11	ELECT	100MF	20%	16V
C002	1-106-220-00	MYLAR	0.1MF	10%	100V
C003	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C004	1-126-962-11	ELECT	3.3MF	20%	50V
C005	1-126-103-11	ELECT	470MF	20%	16V
C006	1-163-105-00	CERAMIC CHIP	33PF	5%	50V
C007	1-124-907-11	ELECT	10MF	20%	50V
C009	1-124-907-11	ELECT	10MF	20%	50V
C010	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C012	1-126-337-11	ELECT	22MF	20%	50V
C018	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C020	1-124-903-11	ELECT	1MF	20%	50V
C021	1-124-907-11	ELECT	10MF	20%	50V
C023	1-124-907-11	ELECT	10MF	20%	50V
C024	1-124-907-11	ELECT	10MF	20%	50V
C025	1-124-916-11	ELECT	22MF	20%	50V
C026	1-124-903-11	ELECT	1MF	20%	50V
C030	1-124-903-11	ELECT	1MF	20%	50V
C037	1-163-034-00	CERAMIC CHIP	0.033MF		50V
C038	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C039	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C041	1-124-478-11	ELECT	100MF	20%	25V
C055	1-163-075-00	CERAMIC CHIP	0.047MF		50V
C058	1-163-077-00	CERAMIC CHIP	0.1MF	10%	25V
C059	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C062	1-126-101-11	ELECT	100MF	20%	16V
C063	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C101	1-124-477-11	ELECT	47MF	20%	16V
C102	1-124-910-11	ELECT	47MF	20%	50V
C103	1-163-105-00	CERAMIC CHIP	33PF	5%	50V
C104	1-164-665-11	CERAMIC CHIP	0.039MF	10%	50V
C105	1-164-665-11	CERAMIC CHIP	0.039MF	10%	50V
C106	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C107	1-124-477-11	ELECT	47MF	20%	16V
C112	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C114	1-163-109-00	CERAMIC CHIP	47PF	5%	50V
C115	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C120	1-163-173-00	CERAMIC CHIP	47PF	5%	50V
C123	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C125	1-124-917-11	ELECT	33MF	20%	50V
C128	1-163-025-11	CERAMIC CHIP	0.001MF		50V
C130	1-136-171-00	FILM	0.33MF	5%	50V
C131	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C132	1-163-029-11	CERAMIC CHIP	0.0047MF		50V
C133	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C134	1-136-562-11	MYLAR	0.0082MF	10%	400V
C135	1-163-033-00	CERAMIC CHIP	0.022MF		50V
C136	1-163-033-00	CERAMIC CHIP	0.022MF		50V
C138	1-216-295-00	METAL GLAZE	0	5%	1/10W
C139	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C140	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C141	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C142	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C143	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C144	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C145	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C146	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C147	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C148	1-164-665-11	CERAMIC CHIP	0.039MF	10%	50V
C149	1-124-119-00	ELECT	330MF	20%	16V
C151	1-124-907-11	ELECT	10MF	20%	50V
C154	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C157	1-124-927-11	ELECT	4.7MF	20%	50V
C163	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C201	1-124-916-11	ELECT	22MF	20%	50V
C202	1-124-925-11	ELECT	2.2MF	20%	50V
C203	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C204	1-124-480-11	ELECT	470MF	20%	25V
C206	1-163-011-11	CERAMIC CHIP	0.0015MF	10%	50V
C207	1-124-925-11	ELECT	2.2MF	20%	50V
C208	1-126-104-11	ELECT	470MF	20%	35V
C209	1-124-910-11	ELECT	47MF	20%	50V
C210	1-106-228-00	MYLAR	0.22MF	10%	100V
C302	1-163-059-00	CERAMIC CHIP	0.01MF		50V
C303	1-163-059-00	CERAMIC CHIP	0.01MF		50V
C304	1-163-038-11	CERAMIC CHIP	0.1MF		25V
C305	1-124-910-11	ELECT	47MF	20%	50V
C306	1-106-220-00	MYLAR	0.1MF	10%	100V
C307	1-163-038-11	CERAMIC CHIP	0.1MF		25V
C308	1-124-910-11	ELECT	47MF	20%	50V

The components identified by shading and marked ⚠ are critical for safety.
Replace only with the part number specified.

A

REF.NO.	PART NO.	DESCRIPTION			REMARK
C309	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C311	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C312	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C313	1-163-105-00	CERAMIC CHIP	33PF	5%	50V
C314	1-163-103-00	CERAMIC CHIP	27PF	5%	50V
C316	1-163-377-11	CERAMIC CHIP	100PF	5%	50V
C317	1-163-093-00	CERAMIC CHIP	10PF	5%	50V
C318	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C319	1-163-038-11	CERAMIC CHIP	0.1MF		25V
C321	1-163-038-11	CERAMIC CHIP	0.1MF		25V
C323	1-163-055-00	CERAMIC CHIP	0.0047MF	10%	50V
C329	1-131-367-00	TANTALUM	22MF	10%	16V
C330	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C331	1-124-927-11	ELECT	4.7MF	20%	50V
C332	1-130-783-00	MYLAR	0.33MF	10%	100V
C333	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C334	1-163-063-00	CERAMIC CHIP	0.022MF	10%	50V
C335	1-163-063-00	CERAMIC CHIP	0.022MF	10%	50V
C336	1-163-119-00	CERAMIC CHIP	120PF	5%	50V
C337	1-130-834-00	MYLAR	1MF	10%	63V
C338	1-106-220-00	MYLAR	0.1MF	10%	100V
C339	1-106-220-00	MYLAR	0.1MF	10%	100V
C340	1-162-568-11	CERAMIC CHIP	0.33MF	10%	16V
C341	1-130-783-00	MYLAR	0.33MF	10%	100V
C343	1-106-383-00	MYLAR	0.047MF	10%	100V
C344	1-130-783-00	MYLAR	0.33MF	10%	100V
C345	1-163-187-00	CERAMIC CHIP	180PF	5%	50V
C346	1-163-033-00	CERAMIC CHIP	0.022MF		50V
C347	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C348	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C349	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C352	1-106-375-12	MYLAR	0.022MF	10%	250V
C353	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C354	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C355	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C356	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C357	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C358	1-124-556-11	ELECT	2200MF	20%	16V
C359	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C360	1-124-903-11	ELECT	1MF	20%	50V
C361	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C367	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C370	1-124-916-11	ELECT	22MF	20%	50V
C388	1-106-220-00	MYLAR	0.1MF	10%	100V
C401	1-124-910-11	ELECT	47MF	20%	50V
C403	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C404	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C408	1-163-083-00	CERAMIC CHIP	1PF	0.25PF	50V
C430	1-164-336-11	CERAMIC CHIP	0.33MF		25V
C431	1-124-910-11	ELECT	47MF	20%	50V
C432	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C433	1-126-233-11	ELECT	22MF	20%	25V
C434	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C475	1-124-916-11	ELECT	22MF	20%	50V
C476	1-108-702-11	MYLAR	0.068MF	10%	100V
C490	1-124-910-11	ELECT	47MF	20%	50V
C499	1-163-205-00	CERAMIC CHIP	0.001MF	10%	50V
C500	1-163-112-00	CERAMIC CHIP	62PF	5%	50V
C501	1-163-181-00	CERAMIC CHIP	100PF	5%	50V
C502	1-163-005-11	CERAMIC CHIP	470PF	10%	50V

REF.NO.	PART NO.	DESCRIPTION			REMARK
C503	1-163-181-00	CERAMIC CHIP	100PF	5%	50V
C504	1-124-122-11	ELECT	100MF	20%	50V
C505	1-124-916-11	ELECT	22MF	20%	50V
C506	1-106-228-00	MYLAR	0.22MF	10%	100V
C507	1-124-557-11	ELECT	1000MF	20%	25V
C508	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C509	1-162-568-11	CERAMIC CHIP	0.33MF	10%	16V
C510	1-163-081-00	CERAMIC CHIP	0.22MF		25V
C511	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C512	1-108-702-11	MYLAR	0.068MF	10%	100V
C513	1-124-927-11	ELECT	4.7MF	20%	50V
C514	1-136-298-00	FILM	0.0033MF	2%	100V
C515	1-163-035-00	CERAMIC CHIP	0.047MF		50V
C516	1-163-113-00	CERAMIC CHIP	68PF	5%	50V
C517	1-163-033-00	CERAMIC CHIP	0.022MF		50V
C520	1-163-033-00	CERAMIC CHIP	0.022MF		50V
C521	1-131-377-00	TANTALUM	10MF	10%	10V
C524	1-106-228-00	MYLAR	0.22MF	10%	100V
C525	1-108-702-11	MYLAR	0.068MF	10%	100V
C526	1-124-910-11	ELECT	47MF	20%	50V
C527	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C529	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C530	1-163-197-00	CERAMIC CHIP	470PF	5%	50V
C531	1-163-113-00	CERAMIC CHIP	68PF	5%	50V
C532	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C533	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C536	1-124-927-11	ELECT	4.7MF	20%	50V
C537	1-163-038-11	CERAMIC CHIP	0.1MF		25V
C540	1-163-111-00	CERAMIC CHIP	56PF	5%	50V
C601 ⚠	1-161-964-61	CERAMIC	0.0047MF		250V
C602 ⚠	1-161-964-61	CERAMIC	0.0047MF		250V
C603	1-162-599-12	CERAMIC	0.0047MF		250V
C604	1-125-318-00	ELECT(BLOCK)	220MF	20%	400V
C605	1-161-754-00	CERAMIC	0.001MF	10%	2KV
C606	1-136-207-11	FILM	0.047MF	10%	630V
C607	1-106-367-00	MYLAR	0.01MF	10%	400V
C608	1-161-753-00	CERAMIC	470PF	10%	3KV
C609	1-124-347-00	ELECT	100MF	20%	160V
C610	1-124-557-11	ELECT	1000MF	20%	25V
C612	1-102-228-00	CERAMIC	470PF	10%	500V
C614	1-126-101-11	ELECT	100MF	20%	16V
C618	1-124-916-11	ELECT	22MF	20%	50V
C621 ⚠	1-136-879-11	FILM	0.68MF	20%	300V
C623 ⚠	1-164-246-61	CERAMIC	0.0022MF	20%	400V
C625 ⚠	1-136-879-11	FILM	0.68MF	20%	300V
C631	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C632 ⚠	1-161-964-61	CERAMIC	0.0047MF		250V
C633	1-161-742-00	CERAMIC	0.0022MF	20%	400V
C698	1-162-115-00	CERAMIC	330PF	10%	2KV
C801	1-101-821-00	CERAMIC	0.0022MF		500V
C802	1-102-244-00	CERAMIC	220PF	10%	500V
C804	1-126-101-11	ELECT	100MF	20%	16V
C805	1-136-080-00	FILM	0.011MF	3%	2KV
C806	1-136-187-11	FILM	0.047MF	10%	250V
C807	1-161-754-00	CERAMIC	0.001MF	10%	2KV
C808	1-136-933-11	FILM	1MF	5%	100V
C809	1-102-212-00	CERAMIC	820PF	10%	500V
C811	1-136-540-11	FILM	0.82MF	5%	160V
C812	1-124-634-11	ELECT	1MF	20%	250V
C813	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V

The components identified by shading and marked ⚠ are critical for safety.
Replace only with the part number specified.

A

REF.NO.	PART NO.	DESCRIPTION	REMARK
C814	1-126-542-11	ELECT 4.7MF 20%	160V
C815	1-124-916-11	ELECT 22MF 20%	50V
C816	1-102-228-00	CERAMIC 470PF 10%	500V
C817	1-123-948-00	ELECT 22MF 20%	250V
C818	1-106-375-12	MYLAR 0.022MF 10%	250V
C819	1-162-114-00	CERAMIC 0.0047MF	2KV
C820	1-162-318-11	CERAMIC 0.001MF 10%	500V
C821	1-126-101-11	ELECT 100MF 20%	16V
C822	1-162-318-11	CERAMIC 0.001MF 10%	500V
C823	1-126-337-11	ELECT 22MF 20%	50V
C824	1-124-913-11	ELECT 470MF 20%	50V
C825	1-136-204-11	MYLAR 0.015MF 10%	400V
C840	1-124-902-00	ELECT 0.47MF 20%	50V
C850	1-126-101-11	ELECT 100MF 20%	16V
C1306	1-163-005-11	CERAMIC CHIP 470PF 10%	50V

< FILTER >

REF.NO.	PART NO.	DESCRIPTION	REMARK
CD101	1-579-110-11	DISCRIMINATOR, CERAMIC	
CF501	1-404-801-11	TRAP, CERAMIC	
SWF101	1-579-120-11	FILTER, SURFACE WAVE	
XF501	1-527-840-00	FILTER, CERAMIC	

< CONNECTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
CNA21	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)	
CNA22	*1-568-878-51	PIN, CONNECTOR 3P	
CNA42	*1-565-394-11	PIN, BOARD TO BOARD CONNECTOR (KV-M2101D)	
CNA43	*1-565-394-11	PIN, BOARD TO BOARD CONNECTOR (KV-M2101D)	
CNA61 ⚠	1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
CNA62 ⚠	*1-580-844-11	PIN, CONNECTOR (POWER)	
CNA64	1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P	
CNA82	*1-580-798-11	CONNECTOR PIN (DY) 6P	

<TRIMMER>

REF.NO.	PART NO.	DESCRIPTION	REMARK
CT332	1-141-418-11	CAP, ADJ	

< DIODE >

REF.NO.	PART NO.	DESCRIPTION	REMARK
D002	8-719-920-55	DIODE SPR-54MVW	
D004	8-719-914-44	DIODE DAP202K	
D007	8-719-914-43	DIODE DAN202K	
D008	8-719-105-82	DIODE RD5.1M-B2	
D009	8-719-105-82	DIODE RD5.1M-B2	
D011	8-719-901-33	DIODE 1SS133	
D020	8-719-901-33	DIODE 1SS133	
D101	8-719-110-03	DIODE RD7.5ESB2	
D102	8-719-110-03	DIODE RD7.5ESB2	
D103	8-719-110-03	DIODE RD7.5ESB2	
D104	8-719-914-43	DIODE DAN202K	
D110	8-719-109-85	DIODE RD5.1ESB2	
D301	8-719-914-44	DIODE DAP202K	
D302	8-719-914-42	DIODE DA204K	
D303	8-719-914-44	DIODE DAP202K	
D305	8-719-914-42	DIODE DA204K	
D306	8-719-914-43	DIODE DAN202K	
D313	8-719-914-42	DIODE DA204K	
D321	8-719-109-89	DIODE RD5.6ESB2	
D324	8-719-914-44	DIODE DAP202K	
D333	8-719-901-33	DIODE 1SS133	
D334	8-719-914-44	DIODE DAP202K	
D402	8-719-109-97	DIODE RD6.8ESB2	
D403	8-719-109-97	DIODE RD6.8ESB2	
D404	8-719-109-97	DIODE RD6.8ESB2	
D405	8-719-110-09	DIODE RD8.2ESB3	
D406	8-719-110-09	DIODE RD8.2ESB3	
D411	8-719-109-97	DIODE RD6.8ESB2	
D417	8-719-914-44	DIODE DAP202K	
D418	8-719-914-44	DIODE DAP202K	
D426	8-719-901-33	DIODE 1SS133	
D427	8-719-901-33	DIODE 1SS133	
D501	8-719-950-57	DIODE BYD33G	
D503	8-719-901-33	DIODE 1SS133	
D504	8-719-914-43	DIODE DAN202K	
D519	8-719-914-43	DIODE DAN202K	
D601	8-719-510-53	DIODE D4SB60L	
D602	8-719-028-72	DIODE RGP02-17EL-6433	
D603	8-719-908-03	DIODE GP08D	
D604	8-719-928-08	DIODE ERD28-08S	
D605	8-719-950-57	DIODE BYD33G	
D606	8-719-980-78	DIODE ERA83-006	
D607	8-719-950-57	DIODE BYD33G	
D608	8-719-950-57	DIODE BYD33G	
D609	8-719-908-03	DIODE GP08D	
D610	8-719-908-03	DIODE GP08D	
D611	8-719-312-39	DIODE R2K-V1	
D801	8-719-945-80	DIODE ERC06-15S	
D802	8-719-928-08	DIODE ERD28-08S	
D803	8-719-950-57	DIODE BYD33G	
D805	8-719-950-57	DIODE BYD33G	
D806	8-719-028-72	DIODE RGP02-17EL-6433	
D807	8-719-950-57	DIODE BYD33G	
D808	8-719-950-57	DIODE BYD33G	
D809	8-719-914-43	DIODE DAN202K	
D820	8-719-901-33	DIODE 1SS133	

< DELAY LINE >

REF.NO.	PART NO.	DESCRIPTION	REMARK
DL301	1-236-062-11	MODULE, Y DELAY LINE	

< FUSE >

REF.NO.	PART NO.	DESCRIPTION	REMARK
F601 ⚠	1-576-231-21	FUSE (H.B.C.) 4A/250V	
	1-533-230-11	HOLDER, FUSE (F601)	

< IC >

REF.NO.	PART NO.	DESCRIPTION	REMARK
IC001	8-759-199-00	IC PCA84C840P-016A	
IC002	8-759-168-37	IC ST24C01B1	
IC003	8-741-139-80	IC BX-1398	
IC004	8-759-805-37	IC L78LR05D-MA	
IC005	8-759-157-40	DIODE UPC574J	
IC102	8-759-044-41	IC TDA3827/V3	
IC201	8-759-502-74	IC TDA7245	
IC301	8-759-084-91	IC TDA4661/V2	
IC302	8-759-257-53	IC TDA3508/V2	
IC331	8-759-521-22	IC TDA4650/V4	
IC501	8-759-801-98	IC LA7830	
	*4-389-343-11	SPRING, IC (IC501)	
IC502	8-759-515-72	IC TDA8304	
IC601	8-749-901-65	IC STR54041	
IC801	8-759-145-58	IC UPC4558C	
IC802	8-759-604-39	IC M5F78M12L	
	*4-389-343-11	SPRING, IC (IC802)	

The components identified by shading and marked ⚠ are critical for safety.
Replace only with the part number specified.

A

REF.NO.	PART NO.	DESCRIPTION	REMARK
		< JACK >	
J401	1-561-534-00	SOCKET, PIN 21P	
		< COIL >	
L001	1-408-409-00	INDUCTOR 10UH	
L102	1-408-409-00	INDUCTOR 10UH	
L103	1-408-399-00	INDUCTOR 1.5UH	
L105	1-408-409-00	INDUCTOR 10UH	
L106	1-408-609-41	INDUCTOR 33UH	
L107	1-408-410-00	INDUCTOR 12UH	
L301	1-408-409-00	INDUCTOR 10UH	
L302	1-408-419-00	INDUCTOR 68UH	
L303	1-408-425-00	INDUCTOR 220UH	
L331	1-404-554-11	COIL	
L406	1-408-417-00	INDUCTOR 47UH	
L501	1-404-493-00	COIL	
L502	1-408-408-00	INDUCTOR 8.2UH	
L506	1-408-411-00	INDUCTOR 15UH	
L801	1-407-365-00	COIL,CHOKE	
L802	1-420-872-00	COIL, AIR CORE	
L804	1-459-390-00	COIL (WITH CORE)	
L805	1-459-105-21	COIL(WITH CORE)	
L806	1-459-652-12	HLC	
L807	1-408-239-00	INDUCTOR 4.7MMH	
L808	1-408-226-00	INDUCTOR 82UH	
		< VARIABLE COIL >	
LV301	1-404-554-11	COIL	
		< IC LINK >	
PS801 ⚠	1-532-637-00	LINK, IC (ICP-M25) 1A	
		< TRANSISTOR >	
Q001	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q003	8-729-901-01	TRANSISTOR DTC144EK	
Q004	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q005	8-729-923-54	TRANSISTOR DTA143TK	
Q006	8-729-922-66	TRANSISTOR 2SC2410SN	
Q007	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q015	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q016	8-729-901-47	TRANSISTOR DTA143EK	
Q017	8-729-216-22	TRANSISTOR 2SA1162-G	
Q019	8-729-901-06	TRANSISTOR DTA144EK	
Q020	8-729-901-00	TRANSISTOR DTC124EK	
Q101	8-729-901-47	TRANSISTOR DTA143EK	
Q102	8-729-901-47	TRANSISTOR DTA143EK	
Q103	8-729-901-47	TRANSISTOR DTA143EK	
Q104	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q106	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q107	8-729-216-22	TRANSISTOR 2SA1162-G	
Q112	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q114	8-729-901-00	TRANSISTOR DTC124EK	
Q115	8-729-901-00	TRANSISTOR DTC124EK	
Q141	8-729-014-99	TRANSISTOR BF959-AMMO	
Q302	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q303	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q304	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q305	8-729-120-28	TRANSISTOR 2SC1623-L5L6	

REF.NO.	PART NO.	DESCRIPTION	REMARK
Q307	8-729-216-22	TRANSISTOR 2SA1162-G	
Q310	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q311	8-729-216-22	TRANSISTOR 2SA1162-G	
Q401	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q457	8-729-216-22	TRANSISTOR 2SA1162-G	
Q504	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q505	8-729-216-22	TRANSISTOR 2SA1162-G	
Q601	8-729-906-74	TRANSISTOR BC637-16	
	*4-389-343-11	SPRING, IC (Q601)	
Q801	8-729-119-80	TRANSISTOR 2SC2688-LK	
Q802	8-729-022-87	TRANSISTOR BU508AS2H	
	*4-389-343-11	SPRING, IC (Q802)	
Q803	8-729-202-03	TRANSISTOR 2SD1408-Y	
	*4-389-343-11	SPRING, IC (Q803)	
		< RESISTOR >	
JR53	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR99	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR002	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR003	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR004	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR005	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR006	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR009	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR010	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR011	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR012	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR014	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR015	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR016	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR017	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR018	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR019	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR020	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR026	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR028	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR029	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR030	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR034	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR036	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR037	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR038	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR039	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR040	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR041	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR045	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR050	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR052	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR056	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR057	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR058	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR060	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR070	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR101	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR102	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR103	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR104	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR105	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR106	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR107	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR108	1-216-296-00	METAL GLAZE 0 5% 1/8W	

A

REF.NO.	PART NO.	DESCRIPTION				REMARK
JR109	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR110	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR111	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR113	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR117	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR118	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR123	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR125	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR126	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR127	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR128	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR129	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR130	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR131	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR133	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR134	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR135	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR137	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR139	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR140	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR144	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR147	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR148	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR149	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR150	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR155	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR156	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR157	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR182	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR183	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR184	1-216-296-00	METAL GLAZE	0	5%	1/8W	
R001	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R002	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R003	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R004	1-216-083-00	METAL GLAZE	27K	5%	1/10W	
R005	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W	
R006	1-216-254-00	METAL GLAZE	220K	5%	1/8W	
R007	1-216-190-00	METAL GLAZE	470	5%	1/8W	
R008	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R009	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R010	1-216-198-91	METAL GLAZE	1K	5%	1/8W	
R011	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R012	1-216-248-00	METAL GLAZE	120K	5%	1/8W	
R013	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R014	1-216-689-11	METAL GLAZE	39K	5%	1/10W	
R015	1-216-230-00	METAL GLAZE	22K	5%	1/8W	
R016	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R017	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R018	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R019	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R020	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R021	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R022	1-216-198-91	METAL GLAZE	1K	5%	1/8W	
R023	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R024	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R025	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R026	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R028	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R029	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R030	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R031	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R032	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R033	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R034	1-216-238-91	METAL GLAZE	47K	5%	1/8W	
R035	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R038	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R040	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R041	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R042	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R043	1-215-900-11	METAL OXIDE	22K	5%	2W	
R044	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R045	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R046	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R047	1-216-079-00	METAL GLAZE	18K	5%	1/10W	
R048	1-216-202-00	METAL GLAZE	1.5K	5%	1/8W	
R049	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R050	1-216-250-00	METAL GLAZE	150K	5%	1/8W	
R051	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R052	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R053	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R054	1-249-395-11	CARBON	15	5%	1/4W	
R055	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R056	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R058	1-249-434-11	CARBON	27K	5%	1/4W	
R059	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R060	1-216-234-00	METAL GLAZE	33K	5%	1/8W	
R061	1-216-079-00	METAL GLAZE	18K	5%	1/10W	
R062	1-216-242-91	METAL GLAZE	68K	5%	1/8W	
R064	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R075	1-216-248-00	METAL GLAZE	120K	5%	1/8W	
R076	1-216-198-91	METAL GLAZE	1K	5%	1/8W	
R077	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R078	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R079	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R081	1-216-198-91	METAL GLAZE	1K	5%	1/8W	
R082	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R083	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R084	1-216-066-00	METAL GLAZE	5.1K	5%	1/10W	
R087	1-216-027-00	METAL GLAZE	120	5%	1/10W	
R094	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R095	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R096	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R097	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R099	1-216-228-00	METAL GLAZE	18K	5%	1/8W	
R100	1-216-017-00	METAL GLAZE	47	5%	1/10W	
R101	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R102	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R103	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R104	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R105	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R106	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R107	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R108	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R109	1-216-190-00	METAL GLAZE	470	5%	1/8W	
R110	1-249-437-11	CARBON	47K	5%	1/4W	
R111	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R112	1-249-411-11	CARBON	330	5%	1/4W	
R113	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R114	1-216-238-91	METAL GLAZE	47K	5%	1/8W	
R115	1-216-045-00	METAL GLAZE	680	5%	1/10W	

REF.NO.	PART NO.	DESCRIPTION				REMARK
R116	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R118	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R119	1-216-045-00	METAL GLAZE	680	5%	1/10W	
R130	1-249-409-11	CARBON	220	5%	1/4W	
R131	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R132	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R136	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R138	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R139	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R140	1-216-045-00	METAL GLAZE	680	5%	1/10W	
R141	1-216-029-00	METAL GLAZE	150	5%	1/10W	
R142	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	
R143	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R144	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R147	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R148	1-216-017-00	METAL GLAZE	47	5%	1/10W	
R149	1-216-182-91	METAL GLAZE	220	5%	1/8W	
R151	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R152	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R153	1-215-867-00	METAL OXIDE	470	5%	1W	
R199	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R201	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R202	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R203	1-216-298-00	METAL GLAZE	2.2	5%	1/10W	
R204	1-247-741-11	CARBON	150	5%	1/2W	
R205	1-216-083-00	METAL GLAZE	27K	5%	1/10W	
R206	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R207	1-216-298-00	METAL GLAZE	2.2	5%	1/10W	
R303	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R304	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R305	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R306	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	
R307	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R308	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R309	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R310	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R311	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R312	1-216-174-00	METAL GLAZE	100	5%	1/8W	
R313	1-216-174-00	METAL GLAZE	100	5%	1/8W	
R314	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R315	1-216-047-00	METAL GLAZE	820	5%	1/10W	
R316	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R317	1-216-202-00	METAL GLAZE	1.5K	5%	1/8W	
R320	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R321	1-216-023-00	METAL GLAZE	82	5%	1/10W	
R322	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R323	1-216-192-00	METAL GLAZE	560	5%	1/8W	
R324	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R325	1-249-410-11	CARBON	270	5%	1/4W	
R326	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R327	1-216-121-00	METAL GLAZE	1M	5%	1/10W	
R328	1-216-001-00	METAL GLAZE	10	5%	1/10W	
R329	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R330	1-216-244-00	METAL GLAZE	82K	5%	1/8W	
R331	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R332	1-216-270-00	METAL GLAZE	1M	5%	1/8W	
R333	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R334	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W	
R335	1-216-001-00	METAL GLAZE	10	5%	1/10W	
R336	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	
R337	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R338	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R341	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R342	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R346	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R347	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R348	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R349	1-216-029-00	METAL GLAZE	150	5%	1/10W	
R350	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R351	1-216-043-00	METAL GLAZE	560	5%	1/10W	
R352	1-216-039-00	METAL GLAZE	390	5%	1/10W	
R353	1-249-438-11	CARBON	56K	5%	1/4W	
R354	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R355	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R356	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R357	1-216-039-00	METAL GLAZE	390	5%	1/10W	
R360	1-216-001-00	METAL GLAZE	10	5%	1/10W	
R363	1-216-222-00	METAL GLAZE	10K	5%	1/8W	
R364	1-216-222-00	METAL GLAZE	10K	5%	1/8W	
R399	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R402	1-216-172-00	METAL GLAZE	82	5%	1/8W	
R403	1-216-023-00	METAL GLAZE	82	5%	1/10W	
R404	1-216-023-00	METAL GLAZE	82	5%	1/10W	
R405	1-216-023-00	METAL GLAZE	82	5%	1/10W	
R406	1-216-226-00	METAL GLAZE	15K	5%	1/8W	
R407	1-216-226-00	METAL GLAZE	15K	5%	1/8W	
R408	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R409	1-216-023-00	METAL GLAZE	82	5%	1/10W	
R411	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R412	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R413	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R414	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R420	1-216-182-91	METAL GLAZE	220	5%	1/8W	
R423	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R424	1-216-222-00	METAL GLAZE	10K	5%	1/8W	
R425	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R426	1-216-045-00	METAL GLAZE	680	5%	1/10W	
R427	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R428	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R430	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R432	1-249-403-11	CARBON	68	5%	1/4W	
R433	1-216-079-00	METAL GLAZE	18K	5%	1/10W	
R434	1-216-029-00	METAL GLAZE	150	5%	1/10W	
R435	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R436	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R437	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R501	1-216-214-00	METAL GLAZE	4.7K	5%	1/8W	
R502	1-247-743-11	CARBON	220	5%	1/2W	
R503	1-249-437-11	CARBON	47K	5%	1/4W	
R504	1-216-017-00	METAL GLAZE	47	5%	1/10W	
R505	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R507	1-216-350-11	METAL OXIDE	1.2	5%	1W	F
R508	1-215-867-00	METAL OXIDE	470	5%	1W	
R510	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R511	1-216-244-00	METAL GLAZE	82K	5%	1/8W	
R512	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R513	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R514	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R515	1-216-683-11	METAL CHIP	22K	0.50%	1/10W	
R516	1-216-095-00	METAL GLAZE	82K	5%	1/10W	

The components identified by shading and marked ⚠ are critical for safety.
Replace only with the part number specified.

A **C**

REF.NO.	PART NO.	DESCRIPTION				REMARK
R517	1-216-031-00	METAL GLAZE	180	5%	1/10W	
R518	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R519	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R520	1-216-258-00	METAL GLAZE	330K	5%	1/8W	
R521	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R522	1-215-863-11	METAL OXIDE	100	5%	1W	
R523	1-247-754-11	CARBON	1.5K	5%	1/2W	
R524	1-216-099-00	METAL GLAZE	120K	5%	1/10W	
R525	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R527	1-215-869-11	METAL OXIDE	1K	5%	1W	
R532	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R533	1-216-133-00	METAL GLAZE	3.3M	5%	1/10W	
R534	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R535	1-216-107-00	METAL GLAZE	270K	5%	1/10W	
R539	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R542	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R543	1-249-408-11	CARBON	180	5%	1/4W	
R545	1-216-286-00	METAL GLAZE	4.7M	5%	1/8W	
R548	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R601 ⚠	1-205-909-11	WIREWOUND	3.3	5%	10W	
R602	1-214-923-00	CARBON	270K	5%	1/2W	
R603	1-215-903-11	METAL OXIDE	68K	5%	2W	
R604	1-247-752-11	CARBON	1K	5%	1/2W	
R606	1-212-877-11	FUSIBLE	68	5%	1/4W	
R607	1-249-430-11	CARBON	12K	5%	1/4W	
R608	1-215-884-11	METAL OXIDE	47	5%	2W	
R609	1-207-905-00	WIREWOUND	0.27	10%	2W	
R611	1-214-915-00	CARBON	120K	5%	1/2W	
R612	1-219-137-11	FUSIBLE	0.33	5%	1/4W	
R613	1-217-811-11	FUSIBLE	0.47	5%	1/4W	
R614	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R615	1-216-013-00	METAL GLAZE	33	5%	1/10W	
R617	1-216-354-11	METAL OXIDE	2.7	5%	1W	F
R620	1-216-465-11	METAL OXIDE	27K	5%	2W	
R621	1-216-465-11	METAL OXIDE	27K	5%	2W	
R626	1-216-238-91	METAL GLAZE	47K	5%	1/8W	
R627	1-216-238-91	METAL GLAZE	47K	5%	1/8W	
R628	1-218-265-11	METAL GLAZE	8.2M	5%	1W	
R629	1-213-096-00	FUSIBLE	330	5%	1W	F
R801	1-217-778-11	FUSIBLE	1K	5%	1W	F
R802	1-217-819-11	FUSIBLE	2.7K	5%	1/4W	
R803	1-216-352-11	METAL OXIDE	1.8	5%	1W	F
R804	1-216-013-00	METAL GLAZE	33	5%	1/10W	
R805	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R806	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R807	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R808	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R809	1-216-689-11	METAL GLAZE	39K	5%	1/10W	
R810	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R811	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R812	1-217-778-11	FUSIBLE	1K	5%	1W	F
R813	1-212-877-11	FUSIBLE	68	5%	1/4W	
R814	1-215-868-00	METAL OXIDE	680	5%	1W	F
R816	1-247-883-00	CARBON	150K	5%	1/4W	
R817	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R818	1-202-830-00	SOLID	10K	10%	1/2W	
R819	1-249-448-11	CARBON	1.2	5%	1/4W	F
R820	1-217-811-11	FUSIBLE	0.47	5%	1/4W	
R821	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	
R822	1-216-204-00	METAL GLAZE	1.8K	5%	1/8W	
R823	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R826	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R827	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R830	1-216-192-00	METAL GLAZE	560	5%	1/8W	
R850	1-215-882-00	METAL OXIDE	22	5%	2W	F
R851	1-216-262-00	METAL GLAZE	470K	5%	1/8W	

< VARIABLE RESISTOR >

REF.NO.	PART NO.	DESCRIPTION
RV001	1-241-761-11	RES, ADJ, CARBON 1K
RV331	1-241-761-11	RES, ADJ, CARBON 1K
RV501	1-241-630-11	RES, ADJ, CARBON 10K
RV502	1-226-703-11	RES, ADJ, METAL GLAZE 10K
RV503	1-238-019-11	RES, ADJ, CARBON 47K
RV504	1-238-019-11	RES, ADJ, CARBON 47K
RV505	1-241-759-21	RES, ADJ, CARBON 220
RV801	1-241-763-11	RES, ADJ, CARBON 4.7K
RV802	1-238-019-11	RES, ADJ, CARBON 47K

< SWITCH >

REF.NO.	PART NO.	DESCRIPTION
S001	1-571-532-21	SWITCH, TACTIL
S002	1-571-532-21	SWITCH, TACTIL
S003	1-571-532-21	SWITCH, TACTIL
S601 ⚠	1-571-433-11	SWITCH, PUSH (AC POWER)

< SPARK GAP >

REF.NO.	PART NO.	DESCRIPTION
SG801	1-519-422-11	GAP, SPARK

< TRANSFORMER >

REF.NO.	PART NO.	DESCRIPTION
T601 ⚠	1-449-275-21	S.R.T
T603 ⚠	1-421-776-11	LFT
T604 ⚠	1-424-078-11	TRANSFORMER, TRIGGER PULSE
T605 ⚠	1-424-391-11	TRANSFORMER, LINE FILTER
T801	1-437-090-00	HDT
T802 ⚠	1-439-416-51	TRANSFORMER ASSY, FLYBACK (UX-1650)

< THERMISTOR >

REF.NO.	PART NO.	DESCRIPTION
THP601 ⚠	1-808-059-31	THERMISTOR, POSITIVE

< TUNER >

REF.NO.	PART NO.	DESCRIPTION
TU101	1-465-541-14	TUNER (BT-3C 301)

< CRYSTAL >

REF.NO.	PART NO.	DESCRIPTION
X001	1-577-619-11	VIBRATOR, CRYSTAL
X332	1-567-131-00	OSCILLATOR, CRYSTAL

****

*A-1638-017-A C BOARD, COMPLETE
****

*4-379-160-01 COVER (REAR LID), CV
*4-379-167-01 COVER (MAIN), CV

< CAPACITOR >

REF.NO.	PART NO.	DESCRIPTION			
C703	1-163-129-00	CERAMIC CHIP	330PF	5%	50V
C704	1-163-007-11	CERAMIC CHIP	680PF	10%	50V
C705	1-163-191-00	CERAMIC CHIP	270PF	5%	50V
C706	1-163-007-11	CERAMIC CHIP	680PF	10%	50V
C707	1-162-116-00	CERAMIC	680PF	10%	2KV
C708	1-162-114-00	CERAMIC	0.0047MF		2KV

The components identified by shading and marked ⚠ are critical for safety.
Replace only with the part number specified.

REF.NO.	PART NO.	DESCRIPTION			REMARK
C709	1-163-007-11	CERAMIC CHIP	680PF	10%	50V
C710	1-123-947-00	ELECT	10MF	20%	250V
C712	1-163-129-00	CERAMIC CHIP	330PF	5%	50V
C714	1-124-360-00	ELECT	1000MF	20%	16V
C716	1-162-622-11	CERAMIC	330PF	10%	400V
C717	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C718	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C719	1-163-005-11	CERAMIC CHIP	470PF	10%	50V

< CONNECTOR >

REF.NO.	PART NO.	DESCRIPTION
CNC71	1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P
CNC72	*1-568-881-51	PIN, CONNECTOR 6P
CNC81	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P
CNC82	1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P

< DIODE >

REF.NO.	PART NO.	DESCRIPTION
D702	8-719-914-43	DIODE DAN202K
D703	8-719-914-43	DIODE DAN202K
D704	8-719-914-43	DIODE DAN202K
D705	8-719-914-43	DIODE DAN202K
D706	8-719-914-43	DIODE DAN202K
D707	8-719-914-43	DIODE DAN202K
D708	8-719-914-43	DIODE DAN202K
D709	8-719-914-43	DIODE DAN202K
D710	8-719-914-43	DIODE DAN202K
D711	8-719-046-65	DIODE BA157GP-AMP
D714	8-719-914-42	DIODE DA204K
D715	8-719-914-42	DIODE DA204K
D716	8-719-914-42	DIODE DA204K

< JACK >

REF.NO.	PART NO.	DESCRIPTION
J701	⚠ 1-526-990-11	SOCKET, CRT

< COIL >

REF.NO.	PART NO.	DESCRIPTION	
L704	1-408-609-41	INDUCTOR	33UH

< TRANSISTOR >

REF.NO.	PART NO.	DESCRIPTION
Q702	8-729-230-49	TRANSISTOR 2SC2712-YG
Q703	8-729-906-70	TRANSISTOR BF871
Q704	8-729-200-17	TRANSISTOR 2SA1091-0
Q705	8-729-230-49	TRANSISTOR 2SC2712-YG
Q706	8-729-906-70	TRANSISTOR BF871
Q707	8-729-200-17	TRANSISTOR 2SA1091-0
Q708	8-729-230-49	TRANSISTOR 2SC2712-YG
Q709	8-729-906-70	TRANSISTOR BF871
Q710	8-729-200-17	TRANSISTOR 2SA1091-0

< RESISTOR >

REF.NO.	PART NO.	DESCRIPTION				REMARK
JR1	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR2	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR3	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR4	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR6	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR7	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR8	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR12	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR13	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR14	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR15	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR16	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR17	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR18	1-216-296-00	METAL GLAZE	0	5%	1/8W	
R704	1-216-487-11	METAL OXIDE	12K	5%	3W	F
R705	1-202-824-00	SOLID	3.3K	10%	1/2W	
R706	1-216-182-91	METAL GLAZE	220	5%	1/8W	
R707	1-247-822-11	CARBON	430	5%	1/4W	
R708	1-249-401-11	CARBON	47	5%	1/4W	
R709	1-202-844-00	SOLID	330K	10%	1/2W	
R711	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W	
R712	1-216-198-91	METAL GLAZE	1K	5%	1/8W	
R713	1-215-469-00	METAL	100K	1%	1/4W	
R714	1-216-487-11	METAL OXIDE	12K	5%	3W	F
R715	1-202-824-00	SOLID	3.3K	10%	1/2W	
R716	1-216-182-91	METAL GLAZE	220	5%	1/8W	
R717	1-249-415-11	CARBON	680	5%	1/4W	
R718	1-202-814-11	SOLID	33K	10%	1/2W	
R719	1-216-166-00	METAL GLAZE	47	5%	1/8W	
R720	1-216-210-00	METAL GLAZE	3.3K	5%	1/8W	
R721	1-202-842-11	SOLID	220K	10%	1/2W	
R722	1-202-848-00	SOLID	680K	10%	1/2W	
R723	1-216-198-91	METAL GLAZE	1K	5%	1/8W	
R724	1-202-846-00	SOLID	470K	10%	1/2W	
R725	1-202-838-00	SOLID	100K	10%	1/2W	
R726	1-202-824-00	SOLID	3.3K	10%	1/2W	
R727	1-249-409-11	CARBON	220	5%	1/4W	
R728	1-216-347-11	METAL OXIDE	0.68	5%	1W	F
R729	1-249-416-11	CARBON	820	5%	1/4W	
R730	1-216-166-00	METAL GLAZE	47	5%	1/8W	
R731	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R732	1-216-194-00	METAL GLAZE	680	5%	1/8W	
R733	1-216-194-00	METAL GLAZE	680	5%	1/8W	
R734	1-247-807-31	CARBON	100	5%	1/4W	
R735	1-215-493-00	METAL	1M	1%	1/4W	
R736	1-216-487-11	METAL OXIDE	12K	5%	3W	F
R737	1-215-483-00	METAL	390K	1%	1/4W	
R739	1-216-198-91	METAL GLAZE	1K	5%	1/8W	

< VARIABLE RESISTOR >

REF.NO.	PART NO.	DESCRIPTION
RV701	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M
RV702	1-230-619-11	RES, ADJ, METAL GLAZE 110M
RV703	1-237-749-11	RES, ADJ, CARBON 2200
RV704	1-237-749-11	RES, ADJ, CARBON 2200

****

*A-1645-018-A V BOARD, COMPLETE (KV-M2101D)

****

< CAPACITOR >

REF.NO.	PART NO.	DESCRIPTION			REMARK
C1	1-126-101-11	ELECT	100MF	20%	16V
C2	1-163-038-11	CERAMIC CHIP	0.1MF		25V
C3	1-124-120-11	ELECT	220MF	20%	16V
C4	1-163-077-91	CERAMIC CHIP	0.1MF		50V
C5	1-124-120-11	ELECT	220MF	20%	16V
C6	1-163-038-11	CERAMIC CHIP	0.1MF		25V
C7	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C8	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C9	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C10	1-163-038-11	CERAMIC CHIP	0.1MF		25V
C11	1-163-038-11	CERAMIC CHIP	0.1MF		25V
C12	1-163-038-11	CERAMIC CHIP	0.1MF		25V

The components identified by shading and marked ⚠ are critical for safety.
Replace only with the part number specified.

V J1

REF.NO.	PART NO.	DESCRIPTION	REMARK
C13	1-163-038-11	CERAMIC CHIP 0.1MF	25V
C14	1-124-927-11	ELECT 4.7MF 20%	50V
C16	1-163-117-00	CERAMIC CHIP 100PF 5%	50V
C17	1-163-117-00	CERAMIC CHIP 100PF 5%	50V
C23	1-124-927-11	ELECT 4.7MF 20%	50V
C26	1-163-038-11	CERAMIC CHIP 0.1MF	25V
C27	1-163-117-00	CERAMIC CHIP 100PF 5%	50V
C28	1-163-117-00	CERAMIC CHIP 100PF 5%	50V
C29	1-163-117-00	CERAMIC CHIP 100PF 5%	50V
C32	1-163-038-11	CERAMIC CHIP 0.1MF	25V
C33	1-163-038-11	CERAMIC CHIP 0.1MF	25V

< CONNECTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
CNV1	*1-565-393-11	CONNECTOR, BOARD TO BOARD	
CNV2	*1-565-393-11	CONNECTOR, BOARD TO BOARD	

< DIODE >

REF.NO.	PART NO.	DESCRIPTION	REMARK
D1	8-719-105-91	DIODE RD5.6M-B2	
D3	8-719-914-44	DIODE DAP202K	
D5	8-719-914-44	DIODE DAP202K	
D6	8-719-914-43	DIODE DAN202K	
D9	8-719-106-17	DIODE RD6.8M-B2	

< IC >

REF.NO.	PART NO.	DESCRIPTION	REMARK
IC2	8-759-045-54	IC SAA5246P/E/M4A	
IC3	8-752-356-72	IC CXK5864BP-10LL	

< COIL >

REF.NO.	PART NO.	DESCRIPTION	REMARK
L1	1-408-403-00	INDUCTOR 3.3UH	
L2	1-408-407-00	INDUCTOR 6.8UH	
L3	1-408-407-00	INDUCTOR 6.8UH	
L4	1-408-407-00	INDUCTOR 6.8UH	

< IC LINK >

REF.NO.	PART NO.	DESCRIPTION	REMARK
PS1	⚠ 1-532-679-91	LINK, IC (ICP-N15) 0.6A	

< TRANSISTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
Q1	8-729-900-53	TRANSISTOR DTC114EK	
Q2	8-729-920-92	TRANSISTOR 2SD2096-EF	
Q3	8-729-920-74	TRANSISTOR 2SC2412K-QR	
Q4	8-729-920-74	TRANSISTOR 2SC2412K-QR	
Q5	8-729-807-87	TRANSISTOR 2SB1295-UL6	
Q6	8-729-807-87	TRANSISTOR 2SB1295-UL6	
Q7	8-729-807-87	TRANSISTOR 2SB1295-UL6	
Q9	8-729-901-04	TRANSISTOR DTA114EK	
Q10	8-729-901-01	TRANSISTOR DTC144EK	
Q11	8-729-901-01	TRANSISTOR DTC144EK	

< RESISTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
JR01	1-216-295-00	METAL GLAZE 0 5%	1/10W
JR02	1-216-295-00	METAL GLAZE 0 5%	1/10W
JR03	1-216-295-00	METAL GLAZE 0 5%	1/10W
JR08	1-216-295-00	METAL GLAZE 0 5%	1/10W
JR09	1-216-295-00	METAL GLAZE 0 5%	1/10W
JR11	1-216-295-00	METAL GLAZE 0 5%	1/10W
JR13	1-216-296-00	METAL GLAZE 0 5%	1/8W
JR14	1-216-296-00	METAL GLAZE 0 5%	1/8W
JR15	1-216-296-00	METAL GLAZE 0 5%	1/8W
JR17	1-216-295-00	METAL GLAZE 0 5%	1/10W
JR18	1-216-296-00	METAL GLAZE 0 5%	1/8W
JR19	1-216-296-00	METAL GLAZE 0 5%	1/8W
JR20	1-216-296-00	METAL GLAZE 0 5%	1/8W
JR21	1-216-296-00	METAL GLAZE 0 5%	1/8W
JR23	1-216-295-00	METAL GLAZE 0 5%	1/10W
JR24	1-216-296-00	METAL GLAZE 0 5%	1/8W
JR25	1-216-296-00	METAL GLAZE 0 5%	1/8W
JR26	1-216-296-00	METAL GLAZE 0 5%	1/8W
JR202	1-216-295-00	METAL GLAZE 0 5%	1/10W
JR203	1-216-295-00	METAL GLAZE 0 5%	1/10W
JR221	1-216-295-00	METAL GLAZE 0 5%	1/10W
JR222	1-216-295-00	METAL GLAZE 0 5%	1/10W
R1	1-218-326-11	METAL GLAZE 470 5%	1/2W
R2	1-216-214-00	METAL GLAZE 4.7K 5%	1/8W
R3	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R4	1-216-025-00	METAL GLAZE 100 5%	1/10W
R5	1-216-047-00	METAL GLAZE 820 5%	1/10W
R6	1-216-001-00	METAL GLAZE 10 5%	1/10W
R7	1-216-083-00	METAL GLAZE 27K 5%	1/10W
R8	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W
R9	1-216-308-00	METAL GLAZE 4.7 5%	1/10W
R10	1-218-325-11	METAL GLAZE 120 5%	1/4W
R11	1-218-325-11	METAL GLAZE 120 5%	1/4W
R12	1-218-325-11	METAL GLAZE 120 5%	1/4W
R13	1-216-025-00	METAL GLAZE 100 5%	1/10W
R14	1-216-001-00	METAL GLAZE 10 5%	1/10W
R15	1-216-013-00	METAL GLAZE 33 5%	1/10W
R16	1-216-013-00	METAL GLAZE 33 5%	1/10W
R17	1-216-013-00	METAL GLAZE 33 5%	1/10W
R18	1-216-025-00	METAL GLAZE 100 5%	1/10W
R19	1-216-025-00	METAL GLAZE 100 5%	1/10W
R21	1-216-013-00	METAL GLAZE 33 5%	1/10W
R22	1-216-168-00	METAL GLAZE 56 5%	1/8W
R23	1-216-214-00	METAL GLAZE 4.7K 5%	1/8W
R40	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R42	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R49	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R050	1-216-188-00	METAL GLAZE 390 5%	1/8W

< VARIABLE RESISTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
RV1	1-241-761-11	RES, ADJ, CARBON 1K	

< CRYSTAL >

REF.NO.	PART NO.	DESCRIPTION	REMARK
X1	1-579-266-31	CRYSTAL VIBRATOR	

****

*1-639-794-13 J1, BOARD
****

< CAPACITOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
C2200	1-163-031-11	CERAMIC CHIP 0.01MF	50V

< CONNECTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
CN2001	*1-568-878-51	PIN, CONNECTOR 3P	

< SOCKET >

REF.NO.	PART NO.	DESCRIPTION	REMARK
J2201	1-562-837-11	JACK	

The components identified by shading and marked ⚠ are critical for safety.
Replace only with the part number specified.

J1

REF.NO.	PART NO.	DESCRIPTION	REMARK
		< COIL >	
L2201	1-408-409-00	INDUCTOR 10UH	

****

REF.NO.	PART NO.	DESCRIPTION	REMARK
		ACCESSORIES AND PACKING MATERIALS	
	4-202-256-12	MANUAL INSTRUCTION	
	*4-200-726-01	INDIVIDUAL CARTON	
	*4-200-681-11	CUSHION (UPPER) (ASSY)	
	*4-200-684-11	CUSHION (LOWER) (ASSY)	
	*4-381-155-01	BAG PROTECTION	

****

REF.NO.	PART NO.	DESCRIPTION	REMARK
		MISCELLANEOUS	
	⚠ 1-426-383-11	COIL, DEGAUSSING	
	⚠ 1-451-295-11	DEFLECTION YOKE ([illegible])	
	1-452-032-00	MAGNET, DISK; 10MMØ	
	1-452-094-00	MAGNET, ROTATABLE DISK; 15MMØ	
	1-452-277-00	MAGNET, BMC	
	1-503-258-21	SPEAKER	
	⚠ 1-765-286-11	CORD, POWER (WITH NOISE FILTER)	
V901	⚠ 8-738-758-05	PICTURE TUBE (A51JXK61X)	

****

REF.NO.	PART NO.	DESCRIPTION	REMARK
		REMOTE COMMANDER	
	1-467-130-11	COMMANDER, STANDARD TYPE (RM841)	
	9-904-886-01	COVER, BATTERY (RM841)	

****